

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001661.D
 Acq On : 17 Feb 2020 20:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:24 AM

Quant Time: Feb 18 01:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	176310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	320760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	291191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	105472	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
35) Dibromofluoromethane	7.75	113	96126	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.20	98	400521	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
62) 4-Bromofluorobenzene	12.50	95	144951	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	95509	55.573	ug/l	98
3) Chloromethane	2.13	50	122874	53.155	ug/l	99
4) Vinyl Chloride	2.26	62	122959	52.737	ug/l	99
5) Bromomethane	2.66	94	80102	54.970	ug/l	98
6) Chloroethane	2.81	64	76979	53.578	ug/l	99
7) Trichlorofluoromethane	3.15	101	158502	53.116	ug/l	98
8) Diethyl Ether	3.55	74	63317	53.823	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	97508	51.987	ug/l	98
10) Methyl Iodide	4.12	142	117249	51.078	ug/l	98
11) Tert butyl alcohol	4.99	59	55408	252.443	ug/l #	89
12) 1,1-Dichloroethene	3.90	96	101010	52.802	ug/l	97
13) Acrolein	3.76	56	46335	241.915	ug/l	98
14) Allyl chloride	4.52	41	178309	52.373	ug/l	97
15) Acrylonitrile	5.21	53	161365	267.611	ug/l	98
16) Acetone	3.97	43	152340	232.155	ug/l	97
17) Carbon Disulfide	4.22	76	330316	51.720	ug/l	99
18) Methyl Acetate	4.51	43	74749	52.307	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	284893	53.489	ug/l	100
20) Methylene Chloride	4.75	84	128202	55.003	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	113916	52.193	ug/l	97
22) Diisopropyl ether	6.16	45	377214	53.951	ug/l	96
23) Vinyl Acetate	6.10	43	1222834	268.128	ug/l	97
24) 1,1-Dichloroethane	6.05	63	195119	52.214	ug/l	99
25) 2-Butanone	7.02	43	227889	255.647	ug/l	98
26) 2,2-Dichloropropane	7.02	77	158216	48.664	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	127336	52.855	ug/l	97
28) Bromochloromethane	7.36	49	88932	57.130	ug/l	99
29) Tetrahydrofuran	7.38	42	147518	273.793	ug/l	97
30) Chloroform	7.54	83	189682	51.948	ug/l	98
31) Cyclohexane	7.82	56	197548	49.582	ug/l	100
32) 1,1,1-Trichloroethane	7.73	97	159721	52.046	ug/l	99
36) 1,1-Dichloropropene	7.94	75	155233	50.665	ug/l	98
37) Ethyl Acetate	7.11	43	94253	51.541	ug/l	98
38) Carbon Tetrachloride	7.93	117	138037	51.292	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001661.D
 Acq On : 17 Feb 2020 20:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:24 AM

Quant Time: Feb 18 01:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	202988	49.939	ug/l	98
40) Benzene	8.19	78	472156	52.397	ug/l	97
41) Methacrylonitrile	7.35	41	57330m	62.438	ug/l	
42) 1,2-Dichloroethane	8.27	62	130827	53.293	ug/l	100
43) Isopropyl Acetate	8.30	43	184280	53.112	ug/l	99
44) Trichloroethene	8.96	130	115823	51.490	ug/l	96
45) 1,2-Dichloropropane	9.24	63	118098	52.332	ug/l	98
46) Dibromomethane	9.33	93	62718	53.135	ug/l	99
47) Bromodichloromethane	9.52	83	149647	52.531	ug/l	99
48) Methyl methacrylate	9.32	41	83930	53.486	ug/l	98
49) 1,4-Dioxane	9.32	88	17122	1027.037	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	484017	271.511	ug/l	97
52) Toluene	10.26	92	289515	51.508	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	164436	52.213	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	188687	52.057	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	92508	53.151	ug/l	99
56) Ethyl methacrylate	10.53	69	140920	53.971	ug/l	96
57) 1,3-Dichloropropane	10.81	76	163286	52.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	233229	236.484	ug/l	100
59) 2-Hexanone	10.85	43	349976	261.650	ug/l	98
60) Dibromochloromethane	11.00	129	101963	53.137	ug/l	100
61) 1,2-Dibromoethane	11.11	107	88179	53.583	ug/l	99
64) Tetrachloroethene	10.74	164	98034	53.630	ug/l	98
65) Chlorobenzene	11.53	112	298745	51.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	102002	52.013	ug/l	100
67) Ethyl Benzene	11.61	91	555171	51.459	ug/l	99
68) m/p-Xylenes	11.72	106	417867	103.688	ug/l	100
69) o-Xylene	12.05	106	197994	51.677	ug/l	99
70) Styrene	12.06	104	349752	52.526	ug/l	100
71) Bromoform	12.22	173	59108	52.740	ug/l #	99
73) Isopropylbenzene	12.35	105	533029	49.727	ug/l	99
74) N-amyl acetate	12.16	43	181479	53.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	118498	51.774	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	88935m	55.100	ug/l	
77) Bromobenzene	12.63	156	116658	50.204	ug/l	98
78) n-propylbenzene	12.69	91	658048	50.406	ug/l	100
79) 2-Chlorotoluene	12.77	91	366642	50.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	448308	50.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41890	49.238	ug/l	96
82) 4-Chlorotoluene	12.87	91	391426	50.686	ug/l	99
83) tert-Butylbenzene	13.09	119	371520	50.062	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	450684	50.947	ug/l	100
85) sec-Butylbenzene	13.27	105	551856	50.562	ug/l	100
86) p-Isopropyltoluene	13.38	119	475639	50.163	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	227399	50.459	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	228791	50.224	ug/l	99
89) n-Butylbenzene	13.71	91	486465	50.210	ug/l	99
90) Hexachloroethane	13.97	117	90965	50.919	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	211043	50.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	18907	50.055	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
Data File : VY001661.D
Acq On : 17 Feb 2020 20:48
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:24 AM

Quant Time: Feb 18 01:21:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	136728	49.610	ug/l	99
94) Hexachlorobutadiene	15.13	225	66525	48.536	ug/l	99
95) Naphthalene	15.25	128	321481	50.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	120497	49.696	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

