

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001641.D
 Acq On : 17 Feb 2020 13:03
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021720

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:14 AM

Quant Time: Feb 17 13:54:42 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	7.81	168	220999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	388014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	349343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	164288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	120037	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.74	113	112078	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.19	98	467080	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.49	95	171061	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	108826	50.517	ug/l	97
3) Chloromethane	2.13	50	134293	46.347	ug/l	98
4) Vinyl Chloride	2.26	62	140717	48.149	ug/l	100
5) Bromomethane	2.66	94	86384	47.294	ug/l	96
6) Chloroethane	2.81	64	82357	45.730	ug/l	95
7) Trichlorofluoromethane	3.14	101	173012	46.254	ug/l	98
8) Diethyl Ether	3.55	74	65648	44.520	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	109963	46.772	ug/l	99
10) Methyl Iodide	4.11	142	138823	48.247	ug/l	99
11) Tert butyl alcohol	4.99	59	64804	233.662	ug/l	98
12) 1,1-Dichloroethene	3.90	96	111481	46.492	ug/l	96
13) Acrolein	3.75	56	54550	227.214	ug/l	97
14) Allyl chloride	4.50	41	198917	46.612	ug/l	99
15) Acrylonitrile	5.19	53	171254	226.580	ug/l	100
16) Acetone	3.97	43	182823	222.270	ug/l	99
17) Carbon Disulfide	4.22	76	374067	46.726	ug/l	100
18) Methyl Acetate	4.50	43	77942	43.513	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	297721	44.595	ug/l	100
20) Methylene Chloride	4.74	84	121325	41.527	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	124265	45.422	ug/l	99
22) Diisopropyl ether	6.14	45	395481	45.126	ug/l	97
23) Vinyl Acetate	6.09	43	1312795	229.646	ug/l	98
24) 1,1-Dichloroethane	6.05	63	213562	45.593	ug/l	99
25) 2-Butanone	7.01	43	245747	219.934	ug/l	99
26) 2,2-Dichloropropane	7.01	77	185551	45.531	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	134831	44.649	ug/l	99
28) Bromochloromethane	7.36	49	105467	54.052	ug/l	99
29) Tetrahydrofuran	7.37	42	152207	225.371	ug/l	99
30) Chloroform	7.53	83	202997	44.353	ug/l	97
31) Cyclohexane	7.80	56	222813	44.614	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	179987	46.790	ug/l	99
36) 1,1-Dichloropropene	7.94	75	173304	46.759	ug/l	99
37) Ethyl Acetate	7.10	43	101556	45.909	ug/l	99
38) Carbon Tetrachloride	7.92	117	152795	46.935	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	230879	46.955	ug/l	99
40) Benzene	8.18	78	507694	46.576	ug/l	99
41) Methacrylonitrile	7.35	41	54066m	48.677	ug/l	
42) 1,2-Dichloroethane	8.26	62	133657	45.008	ug/l	100
43) Isopropyl Acetate	8.29	43	193053	45.996	ug/l	100
44) Trichloroethene	8.96	130	125213	46.016	ug/l	98
45) 1,2-Dichloropropane	9.23	63	126627	46.385	ug/l	99
46) Dibromomethane	9.32	93	65417	45.815	ug/l	99
47) Bromodichloromethane	9.51	83	158759	46.070	ug/l	99
48) Methyl methacrylate	9.31	41	86786	45.720	ug/l	98
49) 1,4-Dioxane	9.31	88	18703	927.419	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	494905	229.499	ug/l	99
52) Toluene	10.25	92	314519	46.257	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	177614	46.622	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	205271	46.816	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	96251	45.716	ug/l	98
56) Ethyl methacrylate	10.52	69	147026	46.550	ug/l	98
57) 1,3-Dichloropropane	10.80	76	173438	46.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	286412	240.387	ug/l	100
59) 2-Hexanone	10.85	43	372142	229.998	ug/l	100
60) Dibromochloromethane	10.99	129	106744	45.986	ug/l	100
61) 1,2-Dibromoethane	11.10	107	93980	47.209	ug/l	99
64) Tetrachloroethene	10.73	164	98503	44.916	ug/l	98
65) Chlorobenzene	11.52	112	319929	45.871	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	108702	46.202	ug/l	99
67) Ethyl Benzene	11.60	91	608052	46.979	ug/l	100
68) m/p-Xylenes	11.71	106	450805	93.240	ug/l	100
69) o-Xylene	12.03	106	212458	46.222	ug/l	98
70) Styrene	12.05	104	375656	47.025	ug/l	99
71) Bromoform	12.22	173	63175	46.986	ug/l #	100
73) Isopropylbenzene	12.34	105	577178	46.116	ug/l	99
74) N-amyl acetate	12.15	43	182300	45.640	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	124879	46.730	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	88487m	46.953	ug/l	
77) Bromobenzene	12.61	156	122672	45.213	ug/l	99
78) n-propylbenzene	12.67	91	715291	46.926	ug/l	100
79) 2-Chlorotoluene	12.76	91	399954	46.782	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	486507	46.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	47042	47.356	ug/l #	85
82) 4-Chlorotoluene	12.86	91	420831	46.671	ug/l	99
83) tert-Butylbenzene	13.08	119	413050	47.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	481093	46.578	ug/l	100
85) sec-Butylbenzene	13.26	105	601853	47.226	ug/l	100
86) p-Isopropyltoluene	13.38	119	520202	46.987	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	239528	45.521	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	244128	45.897	ug/l	100
89) n-Butylbenzene	13.70	91	535755	47.359	ug/l	99
90) Hexachloroethane	13.97	117	96936	46.472	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	220970	45.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20586	46.677	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	142813	44.380	ug/l	99
94) Hexachlorobutadiene	15.12	225	69698	43.551	ug/l	97
95) Naphthalene	15.24	128	342278	46.131	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	125812	44.440	ug/l	100

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

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