

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002649.D
 Acq On : 08 May 2020 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:58 PM

Quant Time: May 09 05:35:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	377928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	565178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	503277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	257668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	145970	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.74	113	157668	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.19	98	616369	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.49	95	209071	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	148583	47.666	ug/l	98
3) Chloromethane	2.13	50	148387	48.462	ug/l	98
4) Vinyl Chloride	2.26	62	174299	49.298	ug/l	99
5) Bromomethane	2.66	94	122304	50.162	ug/l	99
6) Chloroethane	2.81	64	105295	49.877	ug/l	99
7) Trichlorofluoromethane	3.15	101	278435	50.813	ug/l	100
8) Diethyl Ether	3.55	74	92190	50.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	171468	51.200	ug/l	99
10) Methyl Iodide	4.11	142	233854	51.254	ug/l	99
11) Tert butyl alcohol	4.99	59	68736	210.247	ug/l	98
12) 1,1-Dichloroethene	3.90	96	169842	52.204	ug/l	96
13) Acrolein	3.76	56	40370	178.571	ug/l	98
14) Allyl chloride	4.51	41	246986	52.104	ug/l	98
15) Acrylonitrile	5.20	53	203658	234.527	ug/l	100
16) Acetone	3.97	43	143271	218.466	ug/l	99
17) Carbon Disulfide	4.22	76	502383	51.329	ug/l	100
18) Methyl Acetate	4.51	43	96480	44.031	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	422542	49.781	ug/l	100
20) Methylene Chloride	4.75	84	183082	49.922	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	187368	52.692	ug/l	98
22) Diisopropyl ether	6.15	45	494416	51.548	ug/l	96
23) Vinyl Acetate	6.09	43	1478607	245.130	ug/l	100
24) 1,1-Dichloroethane	6.05	63	301950	53.215	ug/l	99
25) 2-Butanone	7.02	43	246222	229.361	ug/l	100
26) 2,2-Dichloropropane	7.01	77	265919	49.304	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	205671	52.273	ug/l	99
28) Bromochloromethane	7.36	49	122332	52.620	ug/l	98
29) Tetrahydrofuran	7.37	42	164595	231.741	ug/l	99
30) Chloroform	7.53	83	307527	52.124	ug/l	97
31) Cyclohexane	7.81	56	280805	49.165	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	285702	52.100	ug/l	100
36) 1,1-Dichloropropene	7.94	75	246968	52.126	ug/l	99
37) Ethyl Acetate	7.10	43	111871	45.948	ug/l	99
38) Carbon Tetrachloride	7.93	117	266750	51.569	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	326007	52.095	ug/l	99
40) Benzene	8.18	78	711143	51.968	ug/l	100
41) Methacrylonitrile	7.35	41	70023m	53.491	ug/l	
42) 1,2-Dichloroethane	8.26	62	184560	48.082	ug/l	99
43) Isopropyl Acetate	8.29	43	219946	48.187	ug/l	99
44) Trichloroethene	8.96	130	228480	53.427	ug/l	97
45) 1,2-Dichloropropane	9.24	63	171120	51.813	ug/l	98
46) Dibromomethane	9.32	93	93099	48.995	ug/l	98
47) Bromodichloromethane	9.51	83	237778	51.463	ug/l	98
48) Methyl methacrylate	9.31	41	99611	48.221	ug/l	99
49) 1,4-Dioxane	9.32	88	25287	1005.081	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	555856	236.267	ug/l	98
52) Toluene	10.26	92	460383	52.349	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	244849	50.578	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	287177	51.314	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	138907	50.129	ug/l	99
56) Ethyl methacrylate	10.52	69	185155	50.228	ug/l	97
57) 1,3-Dichloropropane	10.80	76	232673	49.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	461514	237.406	ug/l	100
59) 2-Hexanone	10.85	43	384959	237.737	ug/l	99
60) Dibromochloromethane	11.00	129	177709	50.423	ug/l	99
61) 1,2-Dibromoethane	11.10	107	133201	48.547	ug/l	98
64) Tetrachloroethene	10.73	164	252592	56.488	ug/l	98
65) Chlorobenzene	11.53	112	506592	52.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	189890	53.469	ug/l	99
67) Ethyl Benzene	11.60	91	901236	53.627	ug/l	100
68) m/p-Xylenes	11.71	106	693487	106.650	ug/l	99
69) o-Xylene	12.04	106	327025	53.713	ug/l	99
70) Styrene	12.05	104	559008	53.708	ug/l	99
71) Bromoform	12.22	173	111252	50.472	ug/l	99
73) Isopropylbenzene	12.34	105	889185	53.247	ug/l	99
74) N-amyl acetate	12.15	43	203758	50.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	119684	45.065	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	104178m	45.496	ug/l	
77) Bromobenzene	12.62	156	232975	55.840	ug/l	90
78) n-propylbenzene	12.68	91	1035985	53.458	ug/l	100
79) 2-Chlorotoluene	12.77	91	568912	52.997	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	745056	53.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	53880	47.183	ug/l	99
82) 4-Chlorotoluene	12.86	91	586917	52.050	ug/l	100
83) tert-Butylbenzene	13.08	119	662154	54.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	738780	53.552	ug/l	100
85) sec-Butylbenzene	13.26	105	901909	53.551	ug/l	100
86) p-Isopropyltoluene	13.38	119	847325	53.693	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	409563	51.866	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	405158	51.816	ug/l	99
89) n-Butylbenzene	13.70	91	762215	53.056	ug/l	100
90) Hexachloroethane	13.97	117	155093	53.966	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	361102	51.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24142	48.766	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	258500	50.532	ug/l	99
94) Hexachlorobutadiene	15.12	225	161133	52.475	ug/l	99
95) Naphthalene	15.25	128	475077	50.908	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	209552	48.254	ug/l	98

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

