

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003202.D
 Acq On : 16 Jul 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:04 PM

Quant Time: Jul 17 05:38:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	447644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	656850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	593740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	308011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	178099	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.72	113	171350	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
50) Toluene-d8	10.18	98	644218	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.48	95	228922	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	146871	45.777	ug/l	99
3) Chloromethane	2.11	50	216608	48.673	ug/l	100
4) Vinyl Chloride	2.26	62	220956	48.391	ug/l	96
5) Bromomethane	2.65	94	168720	49.747	ug/l	100
6) Chloroethane	2.80	64	145199	48.415	ug/l	95
7) Trichlorofluoromethane	3.13	101	322760	49.497	ug/l	98
8) Diethyl Ether	3.54	74	103012	47.143	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.91	101	196141	49.804	ug/l	98
10) Methyl Iodide	4.10	142	173268	40.496	ug/l	99
11) Tert butyl alcohol	4.96	59	85728	209.834	ug/l	99
12) 1,1-Dichloroethene	3.88	96	184258	49.465	ug/l	98
13) Acrolein	3.74	56	80781	227.802	ug/l	98
14) Allyl chloride	4.49	41	306860	55.517	ug/l	98
15) Acrylonitrile	5.18	53	255160	243.094	ug/l	99
16) Acetone	3.95	43	229215	271.597	ug/l	95
17) Carbon Disulfide	4.20	76	582559	50.966	ug/l	99
18) Methyl Acetate	4.49	43	115547	49.300	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	505612	48.436	ug/l	98
20) Methylene Chloride	4.72	84	228876	54.382	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	210252	49.903	ug/l	92
22) Diisopropyl ether	6.13	45	668480	54.494	ug/l	95
23) Vinyl Acetate	6.07	43	2123436	259.706	ug/l	98
24) 1,1-Dichloroethane	6.03	63	372302	52.386	ug/l	99
25) 2-Butanone	6.99	43	346072	249.747	ug/l	98
26) 2,2-Dichloropropane	6.99	77	341248	53.317	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	234973	50.654	ug/l	97
28) Bromochloromethane	7.34	49	161821	52.592	ug/l	94
29) Tetrahydrofuran	7.35	42	227016	243.871	ug/l	97
30) Chloroform	7.51	83	375150	51.252	ug/l	96
31) Cyclohexane	7.79	56	352364	51.273	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	338014	51.295	ug/l	100
36) 1,1-Dichloropropene	7.92	75	303164	50.924	ug/l	99
37) Ethyl Acetate	7.08	43	158081	49.308	ug/l	98
38) Carbon Tetrachloride	7.91	117	309578	50.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	378797	50.651	ug/l	96
40) Benzene	8.16	78	824755	50.314	ug/l	96
41) Methacrylonitrile	7.33	41	97844m	50.673	ug/l	
42) 1,2-Dichloroethane	8.24	62	246702	48.886	ug/l	100
43) Isopropyl Acetate	8.28	43	303889	48.970	ug/l	99
44) Trichloroethene	8.94	130	241789	48.117	ug/l	98
45) 1,2-Dichloropropane	9.22	63	219269	51.696	ug/l	99
46) Dibromomethane	9.31	93	116203	46.907	ug/l	99
47) Bromodichloromethane	9.50	83	296583	50.337	ug/l	99
48) Methyl methacrylate	9.30	41	140513	50.649	ug/l	93
49) 1,4-Dioxane	9.30	88	28083	893.187	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	786516	243.843	ug/l	98
52) Toluene	10.25	92	515283	49.181	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	307017	50.293	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	355447	50.535	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	164861	46.963	ug/l	98
56) Ethyl methacrylate	10.51	69	233158	48.853	ug/l	97
57) 1,3-Dichloropropane	10.79	76	289069	48.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	564045	231.733	ug/l	97
59) 2-Hexanone	10.83	43	559048	248.286	ug/l	98
60) Dibromochloromethane	10.99	129	212707	48.175	ug/l	99
61) 1,2-Dibromoethane	11.09	107	157603	45.488	ug/l	99
64) Tetrachloroethene	10.72	164	246000	46.468	ug/l	98
65) Chlorobenzene	11.52	112	570043	49.837	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	220726	49.685	ug/l	99
67) Ethyl Benzene	11.59	91	1045423	51.189	ug/l	99
68) m/p-Xylenes	11.70	106	783321	101.088	ug/l	99
69) o-Xylene	12.03	106	363443	50.205	ug/l	97
70) Styrene	12.05	104	624617	50.438	ug/l	99
71) Bromoform	12.20	173	135834	46.587	ug/l #	99
73) Isopropylbenzene	12.33	105	1016269	51.775	ug/l	99
74) N-amyl acetate	12.14	43	288560	52.394	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	183001	48.273	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	136497m	50.064	ug/l	
77) Bromobenzene	12.61	156	248263	49.619	ug/l	98
78) n-propylbenzene	12.67	91	1229270	53.130	ug/l	99
79) 2-Chlorotoluene	12.75	91	667797	51.731	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	858470	52.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	67153	47.935	ug/l #	75
82) 4-Chlorotoluene	12.85	91	706179	52.411	ug/l	98
83) tert-Butylbenzene	13.08	119	752818	52.152	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	852664	51.801	ug/l	99
85) sec-Butylbenzene	13.25	105	1045423	52.692	ug/l	100
86) p-Isopropyltoluene	13.37	119	965128	52.099	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	480362	50.770	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	465377	49.680	ug/l	99
89) n-Butylbenzene	13.70	91	933594	53.578	ug/l	99
90) Hexachloroethane	13.96	117	180221	53.422	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	414772	49.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26204	42.636	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	274338	46.443	ug/l	99
94) Hexachlorobutadiene	15.11	225	203553	50.291	ug/l	99
95) Naphthalene	15.23	128	410754	42.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	194149	41.579	ug/l	99

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

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