

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001644.D
 Acq On : 17 Feb 2020 14:33
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:33 AM

Quant Time: Feb 17 15:53:51 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	196105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	348072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	315032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	150095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	112296	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	102579	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.19	98	424669	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.49	95	155577	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	36033	18.850	ug/l	100
3) Chloromethane	2.12	50	52189	20.298	ug/l	98
4) Vinyl Chloride	2.26	62	52979	20.429	ug/l	99
5) Bromomethane	2.65	94	35296	21.777	ug/l	100
6) Chloroethane	2.80	64	32033	20.045	ug/l	98
7) Trichlorofluoromethane	3.14	101	69422	20.916	ug/l	94
8) Diethyl Ether	3.54	74	26051	19.910	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	43192	20.704	ug/l	99
10) Methyl Iodide	4.11	142	50941	19.952	ug/l	99
11) Tert butyl alcohol	4.97	59	38479	147.031	ug/l #	82
12) 1,1-Dichloroethene	3.89	96	43997	20.678	ug/l	97
13) Acrolein	3.74	56	22331	104.822	ug/l	98
14) Allyl chloride	4.50	41	77845	20.557	ug/l	98
15) Acrylonitrile	5.19	53	71465	106.555	ug/l	100
16) Acetone	3.96	43	68667	94.081	ug/l	96
17) Carbon Disulfide	4.21	76	143230	20.163	ug/l	98
18) Methyl Acetate	4.50	43	33159	20.862	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	122077	20.607	ug/l	96
20) Methylene Chloride	4.74	84	54293	20.942	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	50028	20.608	ug/l	99
22) Diisopropyl ether	6.14	45	160925	20.693	ug/l	99
23) Vinyl Acetate	6.08	43	529121	104.308	ug/l	99
24) 1,1-Dichloroethane	6.04	63	85953	20.679	ug/l	98
25) 2-Butanone	7.01	43	101359	102.227	ug/l	99
26) 2,2-Dichloropropane	7.00	77	74683	20.652	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	55199	20.599	ug/l	99
28) Bromochloromethane	7.35	49	33558	19.382	ug/l	99
29) Tetrahydrofuran	7.37	42	63694	106.283	ug/l	99
30) Chloroform	7.53	83	81513	20.071	ug/l	100
31) Cyclohexane	7.80	56	91633	20.677	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	70753	20.728	ug/l	99
36) 1,1-Dichloropropene	7.94	75	68621	20.639	ug/l	99
37) Ethyl Acetate	7.10	43	41839	21.084	ug/l	99
38) Carbon Tetrachloride	7.92	117	60138	20.593	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91804	20.813	ug/l	98
40) Benzene	8.18	78	201415	20.598	ug/l	100
41) Methacrylonitrile	7.33	41	19380m	19.450	ug/l	
42) 1,2-Dichloroethane	8.25	62	55922	20.992	ug/l	99
43) Isopropyl Acetate	8.29	43	79255	21.050	ug/l	99
44) Trichloroethene	8.96	130	50193	20.563	ug/l	99
45) 1,2-Dichloropropane	9.23	63	50832	20.757	ug/l	98
46) Dibromomethane	9.32	93	26858	20.969	ug/l	97
47) Bromodichloromethane	9.51	83	63737	20.618	ug/l	98
48) Methyl methacrylate	9.31	41	35251	20.702	ug/l	98
49) 1,4-Dioxane	9.31	88	7658	423.310	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	207231	107.125	ug/l	98
52) Toluene	10.25	92	126065	20.668	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	70506	20.631	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	83179	21.147	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	39523	20.926	ug/l	98
56) Ethyl methacrylate	10.52	69	59595	21.033	ug/l	94
57) 1,3-Dichloropropane	10.80	76	70297	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	150977	132.719	ug/l	100
59) 2-Hexanone	10.84	43	149534	103.023	ug/l	100
60) Dibromochloromethane	10.99	129	42446	20.384	ug/l	96
61) 1,2-Dibromoethane	11.10	107	37557	21.031	ug/l	97
64) Tetrachloroethene	10.73	164	41910	21.192	ug/l	97
65) Chlorobenzene	11.52	112	128820	20.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	45178	21.294	ug/l	98
67) Ethyl Benzene	11.60	91	245295	21.016	ug/l	100
68) m/p-Xylenes	11.71	106	183477	42.082	ug/l	99
69) o-Xylene	12.04	106	87016	20.993	ug/l	97
70) Styrene	12.05	104	150981	20.959	ug/l	100
71) Bromoform	12.22	173	25480	21.015	ug/l #	97
73) Isopropylbenzene	12.34	105	232437	20.328	ug/l	99
74) N-amyl acetate	12.15	43	76584	20.986	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	50074	20.509	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	39007m	22.655	ug/l	
77) Bromobenzene	12.61	156	51561	20.801	ug/l	97
78) n-propylbenzene	12.68	91	288690	20.730	ug/l	100
79) 2-Chlorotoluene	12.77	91	161539	20.682	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	196143	20.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	18570	20.462	ug/l	97
82) 4-Chlorotoluene	12.86	91	170293	20.672	ug/l	99
83) tert-Butylbenzene	13.08	119	166458	21.027	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	198339	21.018	ug/l	99
85) sec-Butylbenzene	13.26	105	243374	20.903	ug/l	100
86) p-Isopropyltoluene	13.38	119	216539	21.408	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	100888	20.986	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	103132	21.223	ug/l	99
89) n-Butylbenzene	13.70	91	218673	21.158	ug/l	98
90) Hexachloroethane	13.97	117	39522	20.739	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	92063	20.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8325	20.661	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	62177	21.149	ug/l	98
94) Hexachlorobutadiene	15.12	225	30031	20.539	ug/l	98
95) Naphthalene	15.24	128	142133	20.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	55021	21.272	ug/l	98

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

