

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002764.D
 Acq On : 27 May 2020 15:14
 Operator : SY/MD
 Sample : VY0527SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:49 PM

Quant Time: May 28 05:25:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	329927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	489740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	454750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	242598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	136776	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.72	113	138333	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.18	98	555203	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.48	95	191719	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	46122	20.317	ug/l	100
3) Chloromethane	2.12	50	51922	20.678	ug/l	97
4) Vinyl Chloride	2.25	62	55095	20.759	ug/l	97
5) Bromomethane	2.64	94	41512	20.871	ug/l	99
6) Chloroethane	2.79	64	36155	21.014	ug/l	95
7) Trichlorofluoromethane	3.13	101	95368	20.288	ug/l	98
8) Diethyl Ether	3.53	74	38214	20.820	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59992	21.495	ug/l	100
10) Methyl Iodide	4.09	142	78197	20.024	ug/l	100
11) Tert butyl alcohol	4.97	59	38213	117.334	ug/l	97
12) 1,1-Dichloroethene	3.88	96	58785	20.944	ug/l	97
13) Acrolein	3.74	56	37058	110.388	ug/l	97
14) Allyl chloride	4.48	41	85806	21.316	ug/l	98
15) Acrylonitrile	5.18	53	87502	105.674	ug/l	99
16) Acetone	3.96	43	69274	103.127	ug/l	98
17) Carbon Disulfide	4.19	76	175688	20.714	ug/l	97
18) Methyl Acetate	4.49	43	39657	23.005	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	160480	20.711	ug/l	98
20) Methylene Chloride	4.72	84	73883	22.507	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	65610	20.786	ug/l	98
22) Diisopropyl ether	6.13	45	178133	21.294	ug/l	96
23) Vinyl Acetate	6.07	43	591524	107.103	ug/l	98
24) 1,1-Dichloroethane	6.02	63	102855	21.019	ug/l	99
25) 2-Butanone	6.99	43	109531	104.658	ug/l	98
26) 2,2-Dichloropropane	6.99	77	98090	20.901	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	73141	20.699	ug/l	100
28) Bromochloromethane	7.34	49	46006	22.902	ug/l	100
29) Tetrahydrofuran	7.36	42	72777	106.908	ug/l	99
30) Chloroform	7.51	83	108475	20.890	ug/l	97
31) Cyclohexane	7.78	56	100802	20.747	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	98849	20.428	ug/l	99
36) 1,1-Dichloropropene	7.93	75	87009	21.091	ug/l	99
37) Ethyl Acetate	7.08	43	49189	21.915	ug/l	99
38) Carbon Tetrachloride	7.91	117	93861	20.480	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	111926	20.583	ug/l	98
40) Benzene	8.16	78	250974	20.589	ug/l	100
41) Methacrylonitrile	7.32	41	20327m	16.857	ug/l	
42) 1,2-Dichloroethane	8.24	62	69865	20.451	ug/l	100
43) Isopropyl Acetate	8.28	43	88171	20.729	ug/l	99
44) Trichloroethene	8.94	130	78451	20.375	ug/l	98
45) 1,2-Dichloropropane	9.22	63	61594	21.070	ug/l	99
46) Dibromomethane	9.31	93	36290	20.903	ug/l	97
47) Bromodichloromethane	9.50	83	84756	20.709	ug/l	99
48) Methyl methacrylate	9.30	41	39815	20.736	ug/l	98
49) 1,4-Dioxane	9.30	88	11069	415.238	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	234566	104.145	ug/l	99
52) Toluene	10.24	92	162693	20.402	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	92878	20.777	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	104333	20.597	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	54269	20.418	ug/l	96
56) Ethyl methacrylate	10.51	69	75061	21.085	ug/l	98
57) 1,3-Dichloropropane	10.79	76	89766	20.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	182344	104.825	ug/l	99
59) 2-Hexanone	10.83	43	166498	104.187	ug/l	99
60) Dibromochloromethane	10.99	129	69418	20.601	ug/l	98
61) 1,2-Dibromoethane	11.09	107	54419	20.756	ug/l	98
64) Tetrachloroethene	10.72	164	83713	20.255	ug/l	98
65) Chlorobenzene	11.52	112	183881	20.458	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	70095	20.707	ug/l	99
67) Ethyl Benzene	11.59	91	318982	20.471	ug/l	100
68) m/p-Xylenes	11.70	106	246176	40.748	ug/l	100
69) o-Xylene	12.03	106	117363	20.578	ug/l	100
70) Styrene	12.04	104	202259	20.457	ug/l	99
71) Bromoform	12.20	173	46505	20.531	ug/l #	100
73) Isopropylbenzene	12.33	105	320505	20.616	ug/l	100
74) N-amyl acetate	12.14	43	83423	20.913	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	57504	21.081	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	43717m	19.999	ug/l	
77) Bromobenzene	12.61	156	81168	20.051	ug/l	97
78) n-propylbenzene	12.67	91	374247	20.840	ug/l	99
79) 2-Chlorotoluene	12.75	91	205795	20.429	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	268596	20.692	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	24172	20.833	ug/l	98
82) 4-Chlorotoluene	12.85	91	216589	20.521	ug/l	100
83) tert-Butylbenzene	13.07	119	240982	20.812	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	271182	20.777	ug/l	100
85) sec-Butylbenzene	13.25	105	333956	21.094	ug/l	99
86) p-Isopropyltoluene	13.37	119	307709	20.888	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	155830	20.322	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	155280	20.244	ug/l	99
89) n-Butylbenzene	13.69	91	280783	20.993	ug/l	100
90) Hexachloroethane	13.96	117	56877	20.623	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	143158	20.586	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10980	20.922	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	109799	20.947	ug/l	100
94) Hexachlorobutadiene	15.11	225	62691	21.087	ug/l	100
95) Naphthalene	15.23	128	217449	20.690	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	97148	20.755	ug/l	99

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

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