

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001330.D
 Acq On : 22 Jan 2020 15:02
 Operator : SY/MD
 Sample : VY0122SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 10:56:23 AM

Quant Time: Jan 23 02:47:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	217954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	372252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	327056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	154331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	113893	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.75	113	108043	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.19	98	442716	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.49	95	160569	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	37795	21.989	ug/l	98
3) Chloromethane	2.13	50	51632	19.876	ug/l	100
4) Vinyl Chloride	2.27	62	54819	20.238	ug/l	95
5) Bromomethane	2.66	94	37238	20.413	ug/l	94
6) Chloroethane	2.81	64	34153	19.732	ug/l	98
7) Trichlorofluoromethane	3.15	101	72012	20.779	ug/l	97
8) Diethyl Ether	3.56	74	27098	18.522	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	47112	21.346	ug/l	100
10) Methyl Iodide	4.13	142	54782	18.819	ug/l	99
11) Tert butyl alcohol	4.99	59	32317	96.481	ug/l #	94
12) 1,1-Dichloroethene	3.91	96	47299	20.439	ug/l	99
13) Acrolein	3.76	56	18978	100.147	ug/l	97
14) Allyl chloride	4.52	41	80904	19.604	ug/l	99
15) Acrylonitrile	5.21	53	66862	89.283	ug/l	99
16) Acetone	3.98	43	60457	91.977	ug/l	96
17) Carbon Disulfide	4.23	76	150273	20.648	ug/l	98
18) Methyl Acetate	4.52	43	34644	17.322	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	124729	18.408	ug/l	99
20) Methylene Chloride	4.75	84	61599	18.351	ug/l	95
21) trans-1,2-Dichloroethene	5.26	96	52383	19.487	ug/l	94
22) Diisopropyl ether	6.16	45	161183	18.393	ug/l	94
23) Vinyl Acetate	6.10	43	517278	90.924	ug/l	100
24) 1,1-Dichloroethane	6.06	63	88995	19.267	ug/l	99
25) 2-Butanone	7.03	43	91930	89.056	ug/l	98
26) 2,2-Dichloropropane	7.02	77	81208	19.737	ug/l	99
27) cis-1,2-Dichloroethene	7.03	96	58356	19.425	ug/l	99
28) Bromochloromethane	7.37	49	32134	16.869	ug/l	98
29) Tetrahydrofuran	7.38	42	58746	87.474	ug/l	99
30) Chloroform	7.54	83	87180	19.256	ug/l	96
31) Cyclohexane	7.82	56	93988	20.494	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	75394	19.722	ug/l	99
36) 1,1-Dichloropropene	7.95	75	73534	20.909	ug/l	99
37) Ethyl Acetate	7.11	43	39760	18.504	ug/l	100
38) Carbon Tetrachloride	7.93	117	65566	20.919	ug/l	98

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Quant Time: Jan 23 02:47:40 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	97073	21.547	ug/l	98
40) Benzene	8.19	78	211991	20.103	ug/l	99
41) Methacrylonitrile	7.36	41	25885m	23.345	ug/l	
42) 1,2-Dichloroethane	8.27	62	57115	19.384	ug/l	100
43) Isopropyl Acetate	8.30	43	77430	18.532	ug/l	99
44) Trichloroethene	8.96	130	54637	20.191	ug/l	100
45) 1,2-Dichloropropane	9.24	63	52697	19.768	ug/l	100
46) Dibromomethane	9.33	93	26545	18.549	ug/l	98
47) Bromodichloromethane	9.52	83	66565	19.457	ug/l	98
48) Methyl methacrylate	9.31	41	34705	18.272	ug/l	99
49) 1,4-Dioxane	9.32	88	7565	374.852	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	195733	90.968	ug/l	100
52) Toluene	10.26	92	133449	19.964	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	73363	19.347	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	86885	19.963	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	40204	19.033	ug/l	99
56) Ethyl methacrylate	10.52	69	59324	18.582	ug/l	99
57) 1,3-Dichloropropane	10.80	76	70004	19.025	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	110617	100.130	ug/l	99
59) 2-Hexanone	10.85	43	140994	94.126	ug/l	98
60) Dibromochloromethane	11.00	129	44971	19.036	ug/l	100
61) 1,2-Dibromoethane	11.10	107	37768	18.914	ug/l	98
64) Tetrachloroethene	10.73	164	43332	20.742	ug/l	98
65) Chlorobenzene	11.53	112	137753	19.982	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	46915	19.941	ug/l	99
67) Ethyl Benzene	11.60	91	260387	20.495	ug/l	99
68) m/p-Xylenes	11.71	106	194920	41.079	ug/l	99
69) o-Xylene	12.04	106	90747	19.880	ug/l	97
70) Styrene	12.05	104	161448	20.158	ug/l	98
71) Bromoform	12.22	173	25853	18.409	ug/l #	100
73) Isopropylbenzene	12.34	105	248245	20.385	ug/l	99
74) N-amyl acetate	12.16	43	73076	18.332	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	49449	18.960	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	39637m	21.314	ug/l	
77) Bromobenzene	12.62	156	53556	19.855	ug/l	99
78) n-propylbenzene	12.68	91	305407	20.836	ug/l	99
79) 2-Chlorotoluene	12.77	91	169776	20.275	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	208869	20.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	18540	18.866	ug/l	97
82) 4-Chlorotoluene	12.86	91	177425	19.836	ug/l	99
83) tert-Butylbenzene	13.08	119	174071	20.315	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	209474	20.525	ug/l	99
85) sec-Butylbenzene	13.27	105	258941	21.270	ug/l	100
86) p-Isopropyltoluene	13.38	119	226658	21.127	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	107432	20.681	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	107386	20.359	ug/l	99
89) n-Butylbenzene	13.70	91	227593	21.079	ug/l	99
90) Hexachloroethane	13.97	117	42255	20.779	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	96044	20.047	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8211	18.245	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	66159	20.576	ug/l	98
94) Hexachlorobutadiene	15.13	225	33148	21.172	ug/l	100
95) Naphthalene	15.25	128	141121	19.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	56604	20.068	ug/l	99

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

