

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001331.D
 Acq On : 22 Jan 2020 15:23
 Operator : SY/MD
 Sample : VY0122SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 10:56:27 AM

Quant Time: Jan 23 02:49:29 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	7.83	168	216021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	373942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	329279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	159278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	113008	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.75	113	105042	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.20	98	431800	50.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.49	95	160095	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	37942	22.272	ug/l	94
3) Chloromethane	2.13	50	53305	20.703	ug/l	99
4) Vinyl Chloride	2.27	62	56363	20.994	ug/l	97
5) Bromomethane	2.66	94	37172	20.559	ug/l	100
6) Chloroethane	2.81	64	35489	20.687	ug/l	96
7) Trichlorofluoromethane	3.15	101	73213	21.314	ug/l	99
8) Diethyl Ether	3.56	74	28184	19.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	46461	21.239	ug/l	98
10) Methyl Iodide	4.13	142	56574	19.609	ug/l	99
11) Tert butyl alcohol	5.00	59	37734	117.404	ug/l	96
12) 1,1-Dichloroethene	3.91	96	46708	20.365	ug/l	92
13) Acrolein	3.77	56	21150	114.302	ug/l	99
14) Allyl chloride	4.52	41	82628	20.201	ug/l	99
15) Acrylonitrile	5.21	53	73096	98.481	ug/l	99
16) Acetone	3.99	43	66492	102.921	ug/l	90
17) Carbon Disulfide	4.23	76	150486	20.862	ug/l	96
18) Methyl Acetate	4.52	43	39118	19.734	ug/l	97
19) Methyl tert-butyl Ether	5.27	73	131500	19.581	ug/l	99
20) Methylene Chloride	4.76	84	65044	19.853	ug/l	99
21) trans-1,2-Dichloroethene	5.27	96	54286	20.376	ug/l	97
22) Diisopropyl ether	6.16	45	168997	19.457	ug/l	95
23) Vinyl Acetate	6.11	43	548354	97.249	ug/l	99
24) 1,1-Dichloroethane	6.07	63	91147	19.909	ug/l	97
25) 2-Butanone	7.03	43	100139	97.876	ug/l	97
26) 2,2-Dichloropropane	7.02	77	82533	20.239	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	60293	20.249	ug/l	100
28) Bromochloromethane	7.38	49	32738	17.340	ug/l	99
29) Tetrahydrofuran	7.39	42	65509	98.417	ug/l	99
30) Chloroform	7.55	83	87511	19.502	ug/l	100
31) Cyclohexane	7.82	56	94752	20.846	ug/l	91
32) 1,1,1-Trichloroethane	7.74	97	76599	20.217	ug/l	100
36) 1,1-Dichloropropene	7.95	75	72686	20.575	ug/l	98
37) Ethyl Acetate	7.11	43	44321	20.534	ug/l	100
38) Carbon Tetrachloride	7.94	117	66984	21.275	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	96113	21.237	ug/l	98
40) Benzene	8.19	78	216867	20.473	ug/l	100
41) Methacrylonitrile	7.36	41	25128m	22.560	ug/l	
42) 1,2-Dichloroethane	8.27	62	60008	20.274	ug/l	99
43) Isopropyl Acetate	8.30	43	83975	20.008	ug/l	98
44) Trichloroethene	8.96	130	55669	20.480	ug/l	94
45) 1,2-Dichloropropane	9.24	63	53939	20.143	ug/l	100
46) Dibromomethane	9.33	93	28460	19.797	ug/l	99
47) Bromodichloromethane	9.52	83	67891	19.755	ug/l	94
48) Methyl methacrylate	9.32	41	37827	19.825	ug/l	98
49) 1,4-Dioxane	9.32	88	8505	419.525	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	216519	100.174	ug/l	100
52) Toluene	10.26	92	136621	20.346	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	76297	20.030	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	87981	20.123	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	42305	19.938	ug/l	98
56) Ethyl methacrylate	10.53	69	63863	19.913	ug/l	98
57) 1,3-Dichloropropane	10.81	76	74943	20.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	109592	98.754	ug/l	99
59) 2-Hexanone	10.85	43	156206	103.810	ug/l	99
60) Dibromochloromethane	11.00	129	46551	19.615	ug/l	99
61) 1,2-Dibromoethane	11.11	107	40684	20.282	ug/l	100
64) Tetrachloroethene	10.74	164	43636	20.746	ug/l	97
65) Chlorobenzene	11.53	112	143568	20.685	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.61	131	48624	20.528	ug/l	99
67) Ethyl Benzene	11.61	91	266146	20.807	ug/l	98
68) m/p-Xylenes	11.72	106	198942	41.643	ug/l	100
69) o-Xylene	12.04	106	93510	20.347	ug/l	99
70) Styrene	12.06	104	164714	20.427	ug/l	98
71) Bromoform	12.22	173	27577	19.504	ug/l #	100
73) Isopropylbenzene	12.34	105	252717	20.107	ug/l	99
74) N-amyl acetate	12.16	43	80762	19.631	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	53643	19.929	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	36796m	19.171	ug/l	
77) Bromobenzene	12.62	156	55352	19.884	ug/l	99
78) n-propylbenzene	12.68	91	306981	20.292	ug/l	99
79) 2-Chlorotoluene	12.77	91	172793	19.994	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	215073	20.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	20087	19.805	ug/l	97
82) 4-Chlorotoluene	12.86	91	182260	19.743	ug/l	99
83) tert-Butylbenzene	13.08	119	178370	20.170	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	212105	20.138	ug/l	98
85) sec-Butylbenzene	13.26	105	262991	20.932	ug/l	100
86) p-Isopropyltoluene	13.38	119	233901	21.125	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	110812	20.669	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	110557	20.310	ug/l	99
89) n-Butylbenzene	13.70	91	233403	20.946	ug/l	100
90) Hexachloroethane	13.97	117	42841	20.413	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	100836	20.394	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9378	20.191	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	69277	20.876	ug/l	97
94) Hexachlorobutadiene	15.12	225	33747	20.885	ug/l	97
95) Naphthalene	15.24	128	156915	20.679	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	59972	20.602	ug/l	98

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

