

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003156.D
 Acq On : 10 Jul 2020 11:07
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:30 AM

Quant Time: Jul 10 12:52:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	498212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	713921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	654799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	350803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	21958	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
35) Dibromofluoromethane	7.72	113	21244	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
50) Toluene-d8	10.18	98	81266	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.48	95	31250	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	18409	5.038	ug/l	95
3) Chloromethane	2.12	50	27549	5.073	ug/l	92
4) Vinyl Chloride	2.26	62	25887	4.913	ug/l	96
5) Bromomethane	2.65	94	19692	5.428	ug/l	99
6) Chloroethane	2.80	64	16604	4.919	ug/l	92
7) Trichlorofluoromethane	3.13	101	37343	5.013	ug/l	96
8) Diethyl Ether	3.54	74	12289	4.818	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.91	101	22339	5.004	ug/l	99
10) Methyl Iodide	4.09	142	18528	3.401	ug/l	96
11) Tert butyl alcohol	4.96	59	12302	25.237	ug/l	95
12) 1,1-Dichloroethene	3.87	96	20899	4.920	ug/l	95
13) Acrolein	3.73	56	11519	26.194	ug/l	99
14) Allyl chloride	4.48	41	30261	4.159	ug/l	97
15) Acrylonitrile	5.18	53	28146	21.668	ug/l	98
16) Acetone	3.95	43	23273	20.921	ug/l #	86
17) Carbon Disulfide	4.20	76	61953	4.592	ug/l	100
18) Methyl Acetate	4.49	43	13498	4.466	ug/l #	76
19) Methyl tert-butyl Ether	5.22	73	55988	4.555	ug/l	98
20) Methylene Chloride	4.72	84	37461	5.833	ug/l	92
21) trans-1,2-Dichloroethene	5.23	96	22875	4.741	ug/l	89
22) Diisopropyl ether	6.13	45	62020	3.953	ug/l	98
23) Vinyl Acetate	6.07	43	201298	19.282	ug/l	98
24) 1,1-Dichloroethane	6.04	63	37605	4.357	ug/l	96
25) 2-Butanone	7.00	43	37097	20.866	ug/l	99
26) 2,2-Dichloropropane	6.99	77	35006	4.466	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	25263	4.677	ug/l	99
28) Bromochloromethane	7.34	49	15233	4.021	ug/l	93
29) Tetrahydrofuran	7.35	42	23776	20.075	ug/l	95
30) Chloroform	7.51	83	39759	4.629	ug/l	94
31) Cyclohexane	7.79	56	41149	4.844	ug/l #	66
32) 1,1,1-Trichloroethane	7.71	97	35653	4.557	ug/l	99
36) 1,1-Dichloropropene	7.92	75	32470	4.801	ug/l	99
37) Ethyl Acetate	7.08	43	14524	3.646	ug/l #	89
38) Carbon Tetrachloride	7.91	117	31165	4.427	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	38874	4.636	ug/l	96
40) Benzene	8.17	78	85504	4.616	ug/l	91
41) Methacrylonitrile	7.33	41	9813m	4.622	ug/l	
42) 1,2-Dichloroethane	8.24	62	27005	4.640	ug/l	98
43) Isopropyl Acetate	8.28	43	31878	4.207	ug/l	98
44) Trichloroethene	8.94	130	27185	5.006	ug/l	91
45) 1,2-Dichloropropane	9.22	63	22548	4.544	ug/l	97
46) Dibromomethane	9.31	93	12880	4.620	ug/l	97
47) Bromodichloromethane	9.50	83	29986	4.414	ug/l	93
48) Methyl methacrylate	9.29	41	13795	3.999	ug/l	97
49) 1,4-Dioxane	9.29	88	3262	94.747	ug/l #	88
51) 4-Methyl-2-Pentanone	10.07	43	80497	20.513	ug/l	99
52) Toluene	10.24	92	55112	4.710	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	30455	4.283	ug/l	94
54) cis-1,3-Dichloropropene	9.92	75	35858	4.410	ug/l	92
55) 1,1,2-Trichloroethane	10.64	97	18559	4.808	ug/l	98
56) Ethyl methacrylate	10.51	69	22914	4.124	ug/l	96
57) 1,3-Dichloropropane	10.79	76	31801	4.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	61969	21.999	ug/l	97
59) 2-Hexanone	10.83	43	56287	20.546	ug/l	98
60) Dibromochloromethane	10.99	129	22405	4.524	ug/l	100
61) 1,2-Dibromoethane	11.09	107	18818	4.926	ug/l	98
64) Tetrachloroethene	10.72	164	29435	5.334	ug/l	98
65) Chlorobenzene	11.52	112	62104	4.868	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	23953	4.825	ug/l	96
67) Ethyl Benzene	11.59	91	105935	4.549	ug/l	99
68) m/p-Xylenes	11.70	106	81400	9.397	ug/l	98
69) o-Xylene	12.03	106	37734	4.619	ug/l	97
70) Styrene	12.04	104	61867	4.431	ug/l	98
71) Bromoform	12.20	173	15268	4.629	ug/l #	98
73) Isopropylbenzene	12.33	105	107233	4.723	ug/l	99
74) N-amyl acetate	12.14	43	27115	3.758	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	20858	4.590	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	15304m	4.538	ug/l	
77) Bromobenzene	12.61	156	27052	4.653	ug/l	98
78) n-propylbenzene	12.67	91	124119	4.557	ug/l	99
79) 2-Chlorotoluene	12.75	91	70463	4.636	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	89629	4.710	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7368	4.246	ug/l	98
82) 4-Chlorotoluene	12.85	91	74091	4.684	ug/l	100
83) tert-Butylbenzene	13.07	119	77144	4.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	89419	4.662	ug/l	99
85) sec-Butylbenzene	13.25	105	109163	4.741	ug/l	99
86) p-Isopropyltoluene	13.37	119	99253	4.646	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	51765	4.767	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	52127	4.869	ug/l	92
89) n-Butylbenzene	13.70	91	95182	4.669	ug/l	99
90) Hexachloroethane	13.96	117	17429	4.153	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	45734	4.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3621	4.603	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	32931	4.600	ug/l	96
94) Hexachlorobutadiene	15.11	225	23977	5.247	ug/l	97
95) Naphthalene	15.23	128	52199	4.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	26153	4.283	ug/l	99

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

