

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003278.D
 Acq On : 22 Jul 2020 10:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 12:22:51 PM

Quant Time: Jul 23 05:49:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	450121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	646602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	601693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	318095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	186885	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.72	113	184585	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.18	98	675571	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.48	95	238938	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	136296	42.247	ug/l	99
3) Chloromethane	2.12	50	201629	45.057	ug/l	100
4) Vinyl Chloride	2.26	62	215748	46.990	ug/l	99
5) Bromomethane	2.65	94	163303	47.885	ug/l	97
6) Chloroethane	2.80	64	140041	46.438	ug/l	97
7) Trichlorofluoromethane	3.13	101	314996	48.040	ug/l	99
8) Diethyl Ether	3.53	74	107398	48.880	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.91	101	191187	48.279	ug/l	98
10) Methyl Iodide	4.10	142	199938	46.472	ug/l	99
11) Tert butyl alcohol	4.96	59	90793	221.009	ug/l	99
12) 1,1-Dichloroethene	3.88	96	180621	48.222	ug/l	99
13) Acrolein	3.74	56	73332	205.658	ug/l	99
14) Allyl chloride	4.49	41	303375	54.585	ug/l	95
15) Acrylonitrile	5.18	53	270243	256.047	ug/l	99
16) Acetone	3.95	43	225436	265.649	ug/l	97
17) Carbon Disulfide	4.20	76	552502	48.070	ug/l	98
18) Methyl Acetate	4.49	43	126249	53.570	ug/l	94
19) Methyl tert-butyl Ether	5.23	73	520509	49.588	ug/l	99
20) Methylene Chloride	4.72	84	218560	51.335	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	207653	49.015	ug/l	96
22) Diisopropyl ether	6.13	45	665939	53.988	ug/l	96
23) Vinyl Acetate	6.07	43	2138730	260.137	ug/l	99
24) 1,1-Dichloroethane	6.02	63	377051	52.762	ug/l	98
25) 2-Butanone	6.99	43	356783	256.059	ug/l	97
26) 2,2-Dichloropropane	6.99	77	330749	51.393	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	234638	50.303	ug/l	98
28) Bromochloromethane	7.34	49	169787	54.877	ug/l	95
29) Tetrahydrofuran	7.35	42	234975	251.032	ug/l	96
30) Chloroform	7.52	83	373489	50.745	ug/l	99
31) Cyclohexane	7.79	56	335128	48.497	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	333933	50.397	ug/l	99
36) 1,1-Dichloropropene	7.93	75	296182	50.540	ug/l	99
37) Ethyl Acetate	7.08	43	158790	50.314	ug/l	97
38) Carbon Tetrachloride	7.91	117	307150	50.769	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	363721	49.406	ug/l	97
40) Benzene	8.16	78	829875	51.429	ug/l	98
41) Methacrylonitrile	7.32	41	86834m	45.684	ug/l	
42) 1,2-Dichloroethane	8.24	62	245687	49.456	ug/l	100
43) Isopropyl Acetate	8.28	43	307014	50.258	ug/l	98
44) Trichloroethene	8.94	130	237795	48.072	ug/l	94
45) 1,2-Dichloropropane	9.22	63	218171	52.252	ug/l	99
46) Dibromomethane	9.31	93	119929	49.178	ug/l	99
47) Bromodichloromethane	9.50	83	296713	51.157	ug/l	100
48) Methyl methacrylate	9.30	41	141440	51.791	ug/l	95
49) 1,4-Dioxane	9.30	88	31276	1010.507	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	798613	251.518	ug/l	98
52) Toluene	10.24	92	523708	50.777	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	311089	51.768	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	354435	51.190	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	167883	48.582	ug/l	98
56) Ethyl methacrylate	10.51	69	235223	50.067	ug/l	97
57) 1,3-Dichloropropane	10.79	76	297076	50.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	623890	260.382	ug/l	98
59) 2-Hexanone	10.83	43	563719	254.328	ug/l	97
60) Dibromochloromethane	10.99	129	216123	49.724	ug/l	98
61) 1,2-Dibromoethane	11.09	107	162883	47.757	ug/l	99
64) Tetrachloroethene	10.72	164	241019	44.925	ug/l	99
65) Chlorobenzene	11.52	112	576164	49.707	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	224967	49.971	ug/l	100
67) Ethyl Benzene	11.59	91	1041553	50.326	ug/l	100
68) m/p-Xylenes	11.70	106	791882	100.842	ug/l	100
69) o-Xylene	12.03	106	370537	50.508	ug/l	98
70) Styrene	12.04	104	642189	51.172	ug/l	99
71) Bromoform	12.20	173	144068	48.757	ug/l	# 99
73) Isopropylbenzene	12.33	105	1014715	50.057	ug/l	99
74) N-amyl acetate	12.14	43	287937	50.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	192808	49.247	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	138234m	49.094	ug/l	
77) Bromobenzene	12.61	156	255299	49.408	ug/l	99
78) n-propylbenzene	12.67	91	1219494	51.036	ug/l	100
79) 2-Chlorotoluene	12.75	91	670901	50.324	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	856652	50.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71400	49.351	ug/l	93
82) 4-Chlorotoluene	12.85	91	700523	50.343	ug/l	99
83) tert-Butylbenzene	13.08	119	768048	51.521	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	860188	50.602	ug/l	98
85) sec-Butylbenzene	13.25	105	1050744	51.282	ug/l	100
86) p-Isopropyltoluene	13.37	119	976550	51.044	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	494617	50.619	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	484163	50.047	ug/l	99
89) n-Butylbenzene	13.69	91	931045	51.738	ug/l	100
90) Hexachloroethane	13.96	117	185252	53.172	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	434201	50.635	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29953	47.191	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	300544	49.267	ug/l	99
94) Hexachlorobutadiene	15.11	225	204567	48.939	ug/l	100
95) Naphthalene	15.23	128	494042	49.003	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	237207	49.190	ug/l	97

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

