

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001689.D
 Acq On : 19 Feb 2020 10:09
 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
 2/20/2020 5:55:56 PM

Quant Time: Feb 19 13:48:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	174966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	129211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	92760	49.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.74	113	85699	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	10.19	98	359531	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.49	95	126696	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	88315	51.782	ug/l	98
3) Chloromethane	2.12	50	111067	48.417	ug/l	99
4) Vinyl Chloride	2.26	62	113049	48.859	ug/l	96
5) Bromomethane	2.66	94	71186	49.227	ug/l	99
6) Chloroethane	2.80	64	69777	48.939	ug/l	100
7) Trichlorofluoromethane	3.14	101	145469	49.123	ug/l	100
8) Diethyl Ether	3.54	74	53758	46.049	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	90921	48.848	ug/l	99
10) Methyl Iodide	4.11	142	110358	48.445	ug/l	100
11) Tert butyl alcohol	4.97	59	49108	222.446	ug/l	100
12) 1,1-Dichloroethene	3.89	96	91082	47.978	ug/l	99
13) Acrolein	3.75	56	60079	316.082	ug/l	99
14) Allyl chloride	4.50	41	160469	47.495	ug/l	97
15) Acrylonitrile	5.19	53	146547	244.903	ug/l	99
16) Acetone	3.96	43	168543	258.820	ug/l	97
17) Carbon Disulfide	4.21	76	301671	47.597	ug/l	99
18) Methyl Acetate	4.50	43	64781	45.680	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	244533	46.264	ug/l	96
20) Methylene Chloride	4.74	84	100786	43.573	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	102136	47.155	ug/l	99
22) Diisopropyl ether	6.14	45	326823	47.103	ug/l	96
23) Vinyl Acetate	6.08	43	1093994	241.720	ug/l	98
24) 1,1-Dichloroethane	6.05	63	175410	47.301	ug/l	99
25) 2-Butanone	7.01	43	222893	251.963	ug/l	98
26) 2,2-Dichloropropane	7.00	77	151881	47.074	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	112736	47.154	ug/l	99
28) Bromochloromethane	7.36	49	85428	55.301	ug/l	99
29) Tetrahydrofuran	7.37	42	128376	240.096	ug/l	98
30) Chloroform	7.53	83	169272	46.715	ug/l	100
31) Cyclohexane	7.80	56	179694	45.447	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	146181	48.000	ug/l	100
36) 1,1-Dichloropropene	7.94	75	142531	48.100	ug/l	99
37) Ethyl Acetate	7.10	43	85221	48.186	ug/l	98
38) Carbon Tetrachloride	7.92	117	124961	48.011	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	186362	47.406	ug/l	98
40) Benzene	8.17	78	421297	48.342	ug/l	99
41) Methacrylonitrile	7.34	41	50772m	57.174	ug/l	
42) 1,2-Dichloroethane	8.25	62	113288	47.716	ug/l	100
43) Isopropyl Acetate	8.29	43	163422	48.700	ug/l	99
44) Trichloroethene	8.96	130	105227	48.369	ug/l	99
45) 1,2-Dichloropropane	9.23	63	105421	48.302	ug/l	99
46) Dibromomethane	9.32	93	54610	47.838	ug/l	98
47) Bromodichloromethane	9.51	83	131234	47.633	ug/l	100
48) Methyl methacrylate	9.30	41	73189	48.226	ug/l	98
49) 1,4-Dioxane	9.32	88	15344	951.661	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	422853	245.260	ug/l	98
52) Toluene	10.25	92	260879	47.990	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	145955	47.920	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	167441	47.765	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	79472	47.213	ug/l	94
56) Ethyl methacrylate	10.52	69	120072	47.549	ug/l	96
57) 1,3-Dichloropropane	10.80	76	143894	48.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	232266	244.125	ug/l	100
59) 2-Hexanone	10.85	43	328673	254.073	ug/l	98
60) Dibromochloromethane	11.00	129	89143	48.034	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77591	48.751	ug/l	98
64) Tetrachloroethene	10.73	164	82220	47.746	ug/l	99
65) Chlorobenzene	11.53	112	265787	48.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	90527	49.002	ug/l	100
67) Ethyl Benzene	11.61	91	497658	48.966	ug/l	99
68) m/p-Xylenes	11.71	106	372601	98.145	ug/l	98
69) o-Xylene	12.04	106	174755	48.418	ug/l	98
70) Styrene	12.06	104	309065	49.272	ug/l	99
71) Bromoform	12.22	173	52085	49.334	ug/l #	98
73) Isopropylbenzene	12.34	105	469335	47.679	ug/l	100
74) N-amyl acetate	12.16	43	151746	48.304	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	102434	48.736	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	72844m	49.145	ug/l	
77) Bromobenzene	12.62	156	102539	48.053	ug/l	95
78) n-propylbenzene	12.68	91	582740	48.608	ug/l	100
79) 2-Chlorotoluene	12.77	91	319874	47.572	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	392582	48.179	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	38957	49.863	ug/l	96
82) 4-Chlorotoluene	12.87	91	340867	48.066	ug/l	99
83) tert-Butylbenzene	13.09	119	335605	49.245	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	392418	48.306	ug/l	100
85) sec-Butylbenzene	13.27	105	484474	48.336	ug/l	100
86) p-Isopropyltoluene	13.38	119	420607	48.305	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	198711	48.016	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	199828	47.768	ug/l	99
89) n-Butylbenzene	13.71	91	428325	48.141	ug/l	99
90) Hexachloroethane	13.97	117	78821	48.046	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	181030	47.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	16749	48.286	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	115551	45.656	ug/l	99
94) Hexachlorobutadiene	15.12	225	56649	45.007	ug/l	99
95) Naphthalene	15.25	128	267798	45.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	100076	44.945	ug/l	99

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

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