

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060320\
 Data File : VY002833.D
 Acq On : 03 Jun 2020 15:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 03 17:31:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	379161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	563525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	511869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	264947	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	156834	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	7.72	113	164967	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.18	98	629199	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.49	95	218252	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	114276	43.802	ug/l	98
3) Chloromethane	2.12	50	129703	44.946	ug/l	98
4) Vinyl Chloride	2.26	62	146902	48.162	ug/l	100
5) Bromomethane	2.65	94	102406	44.802	ug/l	97
6) Chloroethane	2.80	64	93801	47.439	ug/l	98
7) Trichlorofluoromethane	3.13	101	248856	46.067	ug/l	96
8) Diethyl Ether	3.54	74	94168	44.643	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	162394	50.631	ug/l	99
10) Methyl Iodide	4.10	142	212318	47.308	ug/l	98
11) Tert butyl alcohol	4.97	59	80750	227.038	ug/l	99
12) 1,1-Dichloroethene	3.88	96	154805	47.993	ug/l	96
13) Acrolein	3.74	56	101100	262.050	ug/l	99
14) Allyl chloride	4.49	41	238190	51.487	ug/l	97
15) Acrylonitrile	5.18	53	236963	249.016	ug/l	100
16) Acetone	3.96	43	200647	259.915	ug/l	99
17) Carbon Disulfide	4.20	76	445246	45.679	ug/l	99
18) Methyl Acetate	4.49	43	100636	51.991	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	439709	49.379	ug/l	99
20) Methylene Chloride	4.72	84	177164	46.961	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	172266	47.489	ug/l	99
22) Diisopropyl ether	6.12	45	494117	51.398	ug/l	94
23) Vinyl Acetate	6.07	43	1676813	264.186	ug/l	99
24) 1,1-Dichloroethane	6.02	63	282936	50.312	ug/l	99
25) 2-Butanone	7.00	43	303998	252.756	ug/l	98
26) 2,2-Dichloropropane	6.99	77	255772	47.422	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	196307	48.341	ug/l	99
28) Bromochloromethane	7.34	49	116684	50.543	ug/l	96
29) Tetrahydrofuran	7.35	42	197116	251.959	ug/l	99
30) Chloroform	7.52	83	290988	48.762	ug/l	97
31) Cyclohexane	7.79	56	260501	46.655	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	261361	47.000	ug/l	99
36) 1,1-Dichloropropene	7.93	75	228159	48.064	ug/l	99
37) Ethyl Acetate	7.08	43	127542	49.383	ug/l	98
38) Carbon Tetrachloride	7.90	117	242242	45.936	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	295525	47.231	ug/l	97
40) Benzene	8.16	78	663587	47.310	ug/l	99
41) Methacrylonitrile	7.32	41	70386m	50.728	ug/l	
42) 1,2-Dichloroethane	8.24	62	182385	46.397	ug/l	100
43) Isopropyl Acetate	8.28	43	248925	50.860	ug/l	99
44) Trichloroethene	8.94	130	204417	46.138	ug/l	99
45) 1,2-Dichloropropane	9.22	63	166566	49.519	ug/l	99
46) Dibromomethane	9.31	93	97882	48.998	ug/l	97
47) Bromodichloromethane	9.50	83	229259	48.681	ug/l	99
48) Methyl methacrylate	9.30	41	113306	51.283	ug/l	96
49) 1,4-Dioxane	9.30	88	26693	870.238	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	656941	253.484	ug/l	100
52) Toluene	10.24	92	431290	47.003	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	249435	48.492	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	283327	48.610	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	147015	48.070	ug/l	95
56) Ethyl methacrylate	10.51	69	205055	50.058	ug/l	99
57) 1,3-Dichloropropane	10.79	76	244466	48.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	521412	260.498	ug/l	99
59) 2-Hexanone	10.83	43	463513	252.069	ug/l	100
60) Dibromochloromethane	10.99	129	182970	47.189	ug/l	99
61) 1,2-Dibromoethane	11.09	107	145671	48.285	ug/l	99
64) Tetrachloroethene	10.72	164	205040	44.074	ug/l	98
65) Chlorobenzene	11.52	112	482445	47.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	184595	48.446	ug/l	99
67) Ethyl Benzene	11.60	91	837626	47.757	ug/l	100
68) m/p-Xylenes	11.70	106	648549	95.371	ug/l	99
69) o-Xylene	12.03	106	308609	48.072	ug/l	99
70) Styrene	12.05	104	536993	48.253	ug/l	100
71) Bromoform	12.21	173	123221	48.330	ug/l	100
73) Isopropylbenzene	12.33	105	833261	49.076	ug/l	100
74) N-amyl acetate	12.14	43	228873	52.536	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	160045	53.724	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	128233m	53.714	ug/l	
77) Bromobenzene	12.61	156	214198	48.450	ug/l	98
78) n-propylbenzene	12.67	91	970252	49.471	ug/l	99
79) 2-Chlorotoluene	12.76	91	535577	48.681	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	688241	48.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	65899	52.005	ug/l	98
82) 4-Chlorotoluene	12.86	91	563018	48.845	ug/l	99
83) tert-Butylbenzene	13.08	119	613307	48.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	690564	48.445	ug/l	100
85) sec-Butylbenzene	13.25	105	844163	48.822	ug/l	99
86) p-Isopropyltoluene	13.37	119	786438	48.881	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	397982	47.524	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	395869	47.255	ug/l	100
89) n-Butylbenzene	13.70	91	715248	48.966	ug/l	100
90) Hexachloroethane	13.96	117	148807	49.405	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	363009	47.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29555	51.566	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	271720	47.466	ug/l	99
94) Hexachlorobutadiene	15.11	225	155507	47.895	ug/l	99
95) Naphthalene	15.24	128	556995	48.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	241179	47.179	ug/l	100

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

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