

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042920\
 Data File : VY002508.D
 Acq On : 29 Apr 2020 15:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 30 04:55:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	233495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	341290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	316002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	162902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	95169	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	7.74	113	89512	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	10.19	98	349168	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	12.49	95	116344	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	95279	55.719	ug/l	99
3) Chloromethane	2.13	50	114703	52.720	ug/l	96
4) Vinyl Chloride	2.26	62	71365	45.659	ug/l	98
5) Bromomethane	2.66	94	41491	47.298	ug/l	95
6) Chloroethane	2.81	64	30499	37.865	ug/l	97
7) Trichlorofluoromethane	3.14	101	124750	44.017	ug/l	96
8) Diethyl Ether	3.55	74	31765	27.191	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.92	101	103238	52.918	ug/l	99
10) Methyl Iodide	4.11	142	159717	53.069	ug/l	98
11) Tert butyl alcohol	4.99	59	42654	222.063	ug/l	98
12) 1,1-Dichloroethene	3.90	96	103355	51.708	ug/l	95
13) Acrolein	3.75	56	22264	144.796	ug/l	98
14) Allyl chloride	4.51	41	135769	46.220	ug/l	95
15) Acrylonitrile	5.20	53	126902	227.036	ug/l	98
16) Acetone	3.97	43	98427	230.779	ug/l	98
17) Carbon Disulfide	4.22	76	302467	48.529	ug/l	99
18) Methyl Acetate	4.51	43	57772	42.095	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	274932	50.973	ug/l	98
20) Methylene Chloride	4.74	84	113657	46.676	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	112618	50.044	ug/l	96
22) Diisopropyl ether	6.14	45	268553	46.239	ug/l	98
23) Vinyl Acetate	6.09	43	857072	232.233	ug/l	99
24) 1,1-Dichloroethane	6.05	63	173694	49.396	ug/l	99
25) 2-Butanone	7.01	43	143658	219.862	ug/l	100
26) 2,2-Dichloropropane	7.01	77	175549	52.202	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	126832	51.818	ug/l	97
28) Bromochloromethane	7.36	49	57365	41.817	ug/l	87
29) Tetrahydrofuran	7.37	42	89961	207.664	ug/l	94
30) Chloroform	7.53	83	196135	52.386	ug/l	99
31) Cyclohexane	7.80	56	153668	43.703	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	192148	54.314	ug/l	99
36) 1,1-Dichloropropene	7.94	75	145106	49.585	ug/l	100
37) Ethyl Acetate	7.10	43	64228	43.687	ug/l	99
38) Carbon Tetrachloride	7.93	117	182551	54.246	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	187272	49.057	ug/l	99
40) Benzene	8.18	78	429401	50.767	ug/l	98
41) Methacrylonitrile	7.33	41	27398m	30.248	ug/l	
42) 1,2-Dichloroethane	8.26	62	127282	51.803	ug/l	99
43) Isopropyl Acetate	8.29	43	123159	44.789	ug/l	97
44) Trichloroethene	8.96	130	137061	51.823	ug/l	92
45) 1,2-Dichloropropane	9.24	63	93065	47.740	ug/l	97
46) Dibromomethane	9.32	93	57067	50.036	ug/l	97
47) Bromodichloromethane	9.51	83	149179	52.304	ug/l	99
48) Methyl methacrylate	9.31	41	57015	45.420	ug/l	97
49) 1,4-Dioxane	9.31	88	14998	1031.856	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	318897	223.279	ug/l	99
52) Toluene	10.25	92	281754	51.749	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	155384	51.876	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	173737	50.677	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	83446	49.484	ug/l	99
56) Ethyl methacrylate	10.52	69	110722	48.053	ug/l	97
57) 1,3-Dichloropropane	10.80	76	138414	48.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	248235	222.781	ug/l	97
59) 2-Hexanone	10.84	43	214879	215.842	ug/l	99
60) Dibromochloromethane	10.99	129	115357	52.206	ug/l	100
61) 1,2-Dibromoethane	11.10	107	80701	48.261	ug/l	98
64) Tetrachloroethene	10.73	164	151519	52.317	ug/l	98
65) Chlorobenzene	11.52	112	316575	51.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	122547	53.611	ug/l	98
67) Ethyl Benzene	11.60	91	552962	50.929	ug/l	100
68) m/p-Xylenes	11.71	106	427701	102.328	ug/l	99
69) o-Xylene	12.03	106	200499	51.801	ug/l	100
70) Styrene	12.05	104	349901	51.918	ug/l	100
71) Bromoform	12.22	173	72515	50.358	ug/l	99
73) Isopropylbenzene	12.33	105	556709	51.118	ug/l	99
74) N-amyl acetate	12.15	43	111567	43.231	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	72529	43.362	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	66374m	48.073	ug/l	
77) Bromobenzene	12.61	156	139865	51.206	ug/l	96
78) n-propylbenzene	12.67	91	634638	50.189	ug/l	99
79) 2-Chlorotoluene	12.76	91	349749	50.547	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	477537	51.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	32971	44.190	ug/l	96
82) 4-Chlorotoluene	12.86	91	371016	51.880	ug/l	99
83) tert-Butylbenzene	13.08	119	422971	52.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	474725	53.531	ug/l	99
85) sec-Butylbenzene	13.26	105	559045	52.014	ug/l	99
86) p-Isopropyltoluene	13.38	119	540522	52.735	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	264090	52.275	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	263757	52.506	ug/l	99
89) n-Butylbenzene	13.70	91	471369	49.851	ug/l	99
90) Hexachloroethane	13.97	117	95407	51.498	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	236232	54.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15099	45.469	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	171466	49.937	ug/l	100
94) Hexachlorobutadiene	15.12	225	109339	52.763	ug/l	99
95) Naphthalene	15.24	128	299865	47.087	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	144972	49.776	ug/l	100

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

