

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031220\
 Data File : VY001969.D
 Acq On : 12 Mar 2020 20:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:42:34 AM

Quant Time: Mar 13 06:54:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	175694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	333080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	298586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	98928	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.75	113	92748	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.19	98	378043	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.49	95	134053	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	70156	43.259	ug/l	97
3) Chloromethane	2.13	50	99100	45.323	ug/l	99
4) Vinyl Chloride	2.27	62	103297	46.445	ug/l	99
5) Bromomethane	2.67	94	69875	54.293	ug/l	100
6) Chloroethane	2.82	64	68578	49.086	ug/l	100
7) Trichlorofluoromethane	3.15	101	140613	46.618	ug/l	99
8) Diethyl Ether	3.55	74	60838	51.176	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	92128	47.488	ug/l	99
10) Methyl Iodide	4.12	142	111802	49.833	ug/l	99
11) Tert butyl alcohol	5.00	59	57645	299.829	ug/l	98
12) 1,1-Dichloroethene	3.90	96	94036	48.139	ug/l	94
13) Acrolein	3.76	56	62062	235.464	ug/l	96
14) Allyl chloride	4.52	41	179521	51.840	ug/l	99
15) Acrylonitrile	5.21	53	158865	250.080	ug/l	98
16) Acetone	3.98	43	124769	228.388	ug/l	100
17) Carbon Disulfide	4.22	76	299693	45.639	ug/l	99
18) Methyl Acetate	4.52	43	69900	49.798	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	280729	53.032	ug/l	98
20) Methylene Chloride	4.75	84	118052	50.421	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	110499	49.838	ug/l	98
22) Diisopropyl ether	6.15	45	377832	53.227	ug/l	98
23) Vinyl Acetate	6.10	43	1200818	258.042	ug/l	99
24) 1,1-Dichloroethane	6.06	63	199607	51.926	ug/l	99
25) 2-Butanone	7.02	43	201327	242.336	ug/l	100
26) 2,2-Dichloropropane	7.02	77	155584	49.312	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	124272	51.527	ug/l	98
28) Bromochloromethane	7.36	49	91148	52.605	ug/l	99
29) Tetrahydrofuran	7.38	42	134598	243.975	ug/l	100
30) Chloroform	7.54	83	189676	52.518	ug/l	99
31) Cyclohexane	7.81	56	190699	46.267	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	156958	51.563	ug/l	99
36) 1,1-Dichloropropene	7.94	75	151207	47.175	ug/l	99
37) Ethyl Acetate	7.11	43	90257	48.450	ug/l	99
38) Carbon Tetrachloride	7.93	117	131488	48.022	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	193084	45.419	ug/l	97
40) Benzene	8.19	78	468413	49.305	ug/l	98
41) Methacrylonitrile	7.35	41	45748m	54.568	ug/l	
42) 1,2-Dichloroethane	8.27	62	123677	50.520	ug/l	100
43) Isopropyl Acetate	8.30	43	173077	49.072	ug/l	98
44) Trichloroethene	8.96	130	110106	47.588	ug/l	99
45) 1,2-Dichloropropane	9.24	63	121901	51.043	ug/l	99
46) Dibromomethane	9.33	93	61232	49.753	ug/l	98
47) Bromodichloromethane	9.52	83	147444	51.502	ug/l	97
48) Methyl methacrylate	9.32	41	77623	49.599	ug/l	93
49) 1,4-Dioxane	9.32	88	16356	969.892	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	449681	247.534	ug/l	99
52) Toluene	10.26	92	283716	49.160	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	159710	51.205	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	186605	50.256	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	89248	49.551	ug/l	96
56) Ethyl methacrylate	10.52	69	132428	50.162	ug/l	97
57) 1,3-Dichloropropane	10.80	76	160349	49.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	216618	232.462	ug/l	99
59) 2-Hexanone	10.85	43	304726	235.013	ug/l	99
60) Dibromochloromethane	11.00	129	96448	50.818	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84311	49.417	ug/l	100
64) Tetrachloroethene	10.74	164	90085	48.110	ug/l	99
65) Chlorobenzene	11.53	112	291983	49.077	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	99288	50.890	ug/l	100
67) Ethyl Benzene	11.60	91	546543	49.257	ug/l	99
68) m/p-Xylenes	11.71	106	396401	96.632	ug/l	98
69) o-Xylene	12.04	106	190360	49.234	ug/l	99
70) Styrene	12.05	104	334171	50.463	ug/l	99
71) Bromoform	12.22	173	53975	51.013	ug/l #	98
73) Isopropylbenzene	12.34	105	508335	48.846	ug/l	100
74) N-amyl acetate	12.15	43	158585	49.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	109004	48.571	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	71161m	43.991	ug/l	
77) Bromobenzene	12.62	156	109000	49.436	ug/l	100
78) n-propylbenzene	12.68	91	621250	48.388	ug/l	100
79) 2-Chlorotoluene	12.77	91	352998	49.765	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	421934	49.249	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	38607	48.210	ug/l	99
82) 4-Chlorotoluene	12.86	91	367268	49.728	ug/l	99
83) tert-Butylbenzene	13.08	119	351158	49.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	418519	49.224	ug/l	100
85) sec-Butylbenzene	13.26	105	512383	48.851	ug/l	100
86) p-Isopropyltoluene	13.38	119	442762	48.935	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	210971	48.828	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	210835	48.100	ug/l	99
89) n-Butylbenzene	13.70	91	447335	47.654	ug/l	99
90) Hexachloroethane	13.97	117	85519	50.102	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	196029	49.940	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16531	47.205	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	120543	47.354	ug/l	98
94) Hexachlorobutadiene	15.12	225	57450	46.290	ug/l	99
95) Naphthalene	15.25	128	290240	48.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	107170	47.790	ug/l	100

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

