

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002631.D
 Acq On : 07 May 2020 16:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:23:52 PM

Quant Time: May 08 04:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	363225	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	537572	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	480939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248270	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	144752	47.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	7.72	113	155825	50.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.18	98	608714	50.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.48	95	204975	50.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	152001	50.622	ug/l	97
3) Chloromethane	2.12	50	156410	53.150	ug/l	99
4) Vinyl Chloride	2.26	62	182584	53.732	ug/l	99
5) Bromomethane	2.65	94	124279	53.035	ug/l	99
6) Chloroethane	2.80	64	108631	53.540	ug/l	100
7) Trichlorofluoromethane	3.13	101	283841	53.896	ug/l	99
8) Diethyl Ether	3.54	74	94651	53.482	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	174339	54.165	ug/l	99
10) Methyl Iodide	4.10	142	243753	55.586	ug/l	99
11) Tert butyl alcohol	4.97	59	71640	228.000	ug/l	100
12) 1,1-Dichloroethene	3.88	96	170798	54.623	ug/l	97
13) Acrolein	3.74	56	41774	192.261	ug/l	98
14) Allyl chloride	4.49	41	252233	55.365	ug/l	98
15) Acrylonitrile	5.18	53	211505	253.423	ug/l	100
16) Acetone	3.96	43	155564	246.813	ug/l	100
17) Carbon Disulfide	4.20	76	514952	54.743	ug/l	100
18) Methyl Acetate	4.49	43	102214	48.536	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	425810	52.196	ug/l	98
20) Methylene Chloride	4.73	84	181869	51.599	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	186460	54.559	ug/l	98
22) Diisopropyl ether	6.13	45	500405	54.285	ug/l	99
23) Vinyl Acetate	6.07	43	1532455	264.341	ug/l	100
24) 1,1-Dichloroethane	6.03	63	296859	54.435	ug/l	99
25) 2-Butanone	7.00	43	254204	246.382	ug/l	99
26) 2,2-Dichloropropane	6.99	77	269740	52.037	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	204581	54.101	ug/l	99
28) Bromochloromethane	7.35	49	118455	53.015	ug/l	99
29) Tetrahydrofuran	7.35	42	173896	254.747	ug/l	100
30) Chloroform	7.52	83	303495	53.523	ug/l	97
31) Cyclohexane	7.79	56	289769	52.788	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	284985	54.073	ug/l	99
36) 1,1-Dichloropropene	7.93	75	245585	54.495	ug/l	99
37) Ethyl Acetate	7.08	43	114672	49.517	ug/l	98
38) Carbon Tetrachloride	7.91	117	264327	53.725	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	328300	55.156	ug/l	99
40) Benzene	8.17	78	709038	54.475	ug/l	100
41) Methacrylonitrile	7.33	41	70604m	56.704	ug/l	
42) 1,2-Dichloroethane	8.24	62	184191	50.451	ug/l	98
43) Isopropyl Acetate	8.28	43	225713	51.990	ug/l	100
44) Trichloroethene	8.94	130	224341	55.153	ug/l	96
45) 1,2-Dichloropropane	9.22	63	169134	53.842	ug/l	100
46) Dibromomethane	9.31	93	93372	51.662	ug/l	98
47) Bromodichloromethane	9.50	83	234847	53.439	ug/l	98
48) Methyl methacrylate	9.30	41	101751	51.787	ug/l	98
49) 1,4-Dioxane	9.30	88	25145	1050.761	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	577754	258.185	ug/l	100
52) Toluene	10.24	92	455441	54.447	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	247664	53.787	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	287843	54.074	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	137765	52.270	ug/l	98
56) Ethyl methacrylate	10.51	69	188658	53.806	ug/l	97
57) 1,3-Dichloropropane	10.79	76	234595	52.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	470048	254.213	ug/l	99
59) 2-Hexanone	10.83	43	402777	261.514	ug/l	99
60) Dibromochloromethane	10.99	129	177449	52.935	ug/l	99
61) 1,2-Dibromoethane	11.09	107	133480	51.147	ug/l	100
64) Tetrachloroethene	10.72	164	245736	57.507	ug/l	97
65) Chlorobenzene	11.52	112	495447	54.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	186960	55.089	ug/l	99
67) Ethyl Benzene	11.60	91	888207	55.307	ug/l	99
68) m/p-Xylenes	11.70	106	689123	110.901	ug/l	100
69) o-Xylene	12.03	106	323987	55.686	ug/l	99
70) Styrene	12.05	104	553533	55.652	ug/l	99
71) Bromoform	12.21	173	111844	53.097	ug/l	100
73) Isopropylbenzene	12.33	105	885643	55.042	ug/l	100
74) N-amyl acetate	12.14	43	206800	53.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	126101	49.279	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	108436m	49.148	ug/l	
77) Bromobenzene	12.61	156	214462	53.349	ug/l	100
78) n-propylbenzene	12.67	91	1028359	55.074	ug/l	100
79) 2-Chlorotoluene	12.75	91	566404	54.761	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	737053	55.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56646	51.483	ug/l	100
82) 4-Chlorotoluene	12.86	91	587623	54.085	ug/l	99
83) tert-Butylbenzene	13.08	119	650736	55.644	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	732001	55.069	ug/l	100
85) sec-Butylbenzene	13.25	105	900994	55.521	ug/l	99
86) p-Isopropyltoluene	13.37	119	836142	54.990	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	411626	54.101	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	407601	54.102	ug/l	100
89) n-Butylbenzene	13.70	91	771733	55.752	ug/l	100
90) Hexachloroethane	13.96	117	154845	55.920	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	366640	54.004	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23908	50.121	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	265896	53.945	ug/l	100
94) Hexachlorobutadiene	15.11	225	162697	54.990	ug/l	99
95) Naphthalene	15.23	128	478259	53.189	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	226398	54.106	ug/l	99

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

