

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052220\
 Data File : VY002749.D
 Acq On : 22 May 2020 11:09
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01

Quant Time: May 25 06:52:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	359961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	532175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	488708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	257654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	152814	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.73	113	161838	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.18	98	650846	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
62) 4-Bromofluorobenzene	12.49	95	221653	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	47910	18.574	ug/l	100
3) Chloromethane	2.12	50	56650	19.177	ug/l	99
4) Vinyl Chloride	2.26	62	61071	19.840	ug/l	95
5) Bromomethane	2.65	94	45172	19.800	ug/l	100
6) Chloroethane	2.80	64	39258	19.944	ug/l	98
7) Trichlorofluoromethane	3.13	101	102427	19.745	ug/l	98
8) Diethyl Ether	3.54	74	35505	20.120	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60921	19.373	ug/l	99
10) Methyl Iodide	4.10	142	81878	18.917	ug/l	100
11) Tert butyl alcohol	4.96	59	30209	105.645	ug/l	99
12) 1,1-Dichloroethene	3.88	96	62452	19.780	ug/l	98
13) Acrolein	3.74	56	29690	88.525	ug/l	97
14) Allyl chloride	4.49	41	89845	19.821	ug/l	99
15) Acrylonitrile	5.18	53	84002	105.128	ug/l	99
16) Acetone	3.96	43	58901	101.478	ug/l	98
17) Carbon Disulfide	4.20	76	191873	19.374	ug/l	98
18) Methyl Acetate	4.48	43	36483	22.045	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	158527	20.242	ug/l	99
20) Methylene Chloride	4.72	84	70678	20.144	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	68503	19.512	ug/l	98
22) Diisopropyl ether	6.12	45	185608	20.639	ug/l	93
23) Vinyl Acetate	6.07	43	591065	102.642	ug/l	99
24) 1,1-Dichloroethane	6.02	63	108032	20.103	ug/l	99
25) 2-Butanone	6.99	43	100546	104.697	ug/l	99
26) 2,2-Dichloropropane	6.99	77	102210	20.442	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	76749	20.231	ug/l	100
28) Bromochloromethane	7.34	49	44248	20.814	ug/l	100
29) Tetrahydrofuran	7.35	42	69520	106.395	ug/l	100
30) Chloroform	7.52	83	112179	20.113	ug/l	99
31) Cyclohexane	7.79	56	106992	19.630	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	103060	19.998	ug/l	99
36) 1,1-Dichloropropene	7.93	75	91289	20.263	ug/l	99
37) Ethyl Acetate	7.08	43	46488	20.980	ug/l	99
38) Carbon Tetrachloride	7.91	117	97541	20.145	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115626	19.088	ug/l	98
40) Benzene	8.16	78	265482	20.196	ug/l	99
41) Methacrylonitrile	7.33	41	27820m	20.897	ug/l	
42) 1,2-Dichloroethane	8.24	62	69610	20.078	ug/l	100
43) Isopropyl Acetate	8.28	43	86403	20.982	ug/l	99
44) Trichloroethene	8.94	130	84826	20.245	ug/l	98
45) 1,2-Dichloropropane	9.22	63	63088	20.222	ug/l	99
46) Dibromomethane	9.31	93	35686	20.360	ug/l	99
47) Bromodichloromethane	9.50	83	86495	20.220	ug/l	97
48) Methyl methacrylate	9.29	41	39239	20.695	ug/l	97
49) 1,4-Dioxane	9.30	88	10006	419.149	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	227463	106.986	ug/l	100
52) Toluene	10.25	92	171817	20.198	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	93006	20.370	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	107193	20.251	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	54982	21.070	ug/l	96
56) Ethyl methacrylate	10.51	69	72790	20.953	ug/l	99
57) 1,3-Dichloropropane	10.79	76	91125	20.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	175465	102.312	ug/l	100
59) 2-Hexanone	10.83	43	160179	108.137	ug/l	98
60) Dibromochloromethane	10.99	129	68041	20.410	ug/l	99
61) 1,2-Dibromoethane	11.09	107	52817	20.544	ug/l	99
64) Tetrachloroethene	10.72	164	95427	20.568	ug/l	99
65) Chlorobenzene	11.52	112	189192	20.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	71629	20.437	ug/l	99
67) Ethyl Benzene	11.60	91	334508	20.174	ug/l	100
68) m/p-Xylenes	11.70	106	259112	40.166	ug/l	99
69) o-Xylene	12.03	106	120178	19.849	ug/l	99
70) Styrene	12.05	104	210856	20.283	ug/l	99
71) Bromoform	12.21	173	44725	20.644	ug/l #	99
73) Isopropylbenzene	12.33	105	335707	19.940	ug/l	99
74) N-amyl acetate	12.14	43	81959	20.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	51081	20.604	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	37029m	17.495	ug/l	
77) Bromobenzene	12.61	156	84600	20.099	ug/l	99
78) n-propylbenzene	12.67	91	393100	20.071	ug/l	100
79) 2-Chlorotoluene	12.76	91	215619	19.850	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	283912	20.070	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23454	20.957	ug/l #	77
82) 4-Chlorotoluene	12.86	91	229348	20.156	ug/l	99
83) tert-Butylbenzene	13.08	119	246388	19.680	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	282797	20.003	ug/l	100
85) sec-Butylbenzene	13.25	105	345348	19.990	ug/l	100
86) p-Isopropyltoluene	13.37	119	321844	19.903	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	161494	19.900	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	161710	20.015	ug/l	99
89) n-Butylbenzene	13.70	91	296591	19.972	ug/l	100
90) Hexachloroethane	13.96	117	59293	19.797	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	144845	19.901	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9872	20.765	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	107645	18.511	ug/l	99
94) Hexachlorobutadiene	15.11	225	62809	17.687	ug/l	99
95) Naphthalene	15.23	128	194310	19.385	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	89797	17.936	ug/l	98

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

