

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003280.D
 Acq On : 22 Jul 2020 11:58
 Operator : SY/MD
 Sample : VY0722SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 12:22:55 PM

Quant Time: Jul 23 05:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	433264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	648212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	604977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	320112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	187823	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.72	113	175782	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.18	98	654156	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.48	95	234822	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	70350	22.655	ug/l	96
3) Chloromethane	2.12	50	93811	21.779	ug/l	99
4) Vinyl Chloride	2.26	62	96642	21.868	ug/l	99
5) Bromomethane	2.65	94	73954	22.529	ug/l	99
6) Chloroethane	2.79	64	62174	21.419	ug/l	100
7) Trichlorofluoromethane	3.13	101	140105	22.199	ug/l	97
8) Diethyl Ether	3.54	74	47199	22.317	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	83086	21.797	ug/l	95
10) Methyl Iodide	4.10	142	77223	18.647	ug/l	98
11) Tert butyl alcohol	4.96	59	48490	122.627	ug/l	98
12) 1,1-Dichloroethene	3.88	96	77483	21.491	ug/l	98
13) Acrolein	3.74	56	28578	83.264	ug/l	98
14) Allyl chloride	4.48	41	124739	23.317	ug/l	96
15) Acrylonitrile	5.17	53	117919	116.071	ug/l	98
16) Acetone	3.95	43	94414	115.584	ug/l	96
17) Carbon Disulfide	4.20	76	241439	21.824	ug/l	99
18) Methyl Acetate	4.49	43	55969	24.673	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	220292	21.804	ug/l	95
20) Methylene Chloride	4.72	84	101674	21.620	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	86970	21.327	ug/l	94
22) Diisopropyl ether	6.13	45	278430	23.451	ug/l	96
23) Vinyl Acetate	6.07	43	906199	114.511	ug/l	98
24) 1,1-Dichloroethane	6.02	63	153850	22.366	ug/l	98
25) 2-Butanone	6.99	43	158646	118.288	ug/l	100
26) 2,2-Dichloropropane	6.99	77	133876	21.611	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	99146	22.083	ug/l	99
28) Bromochloromethane	7.34	49	69259	23.256	ug/l	97
29) Tetrahydrofuran	7.35	42	108005	119.875	ug/l	95
30) Chloroform	7.51	83	155320	21.924	ug/l	99
31) Cyclohexane	7.79	56	143657	21.598	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	137001	21.481	ug/l	99
36) 1,1-Dichloropropene	7.93	75	123512	21.024	ug/l	98
37) Ethyl Acetate	7.08	43	72601	22.947	ug/l	99
38) Carbon Tetrachloride	7.91	117	125424	20.680	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	145950	19.776	ug/l	99
40) Benzene	8.16	78	345545	21.361	ug/l	95
41) Methacrylonitrile	7.32	41	38033m	19.960	ug/l	
42) 1,2-Dichloroethane	8.24	62	104589	21.001	ug/l	100
43) Isopropyl Acetate	8.28	43	137134	22.393	ug/l	98
44) Trichloroethene	8.94	130	99060	19.976	ug/l	96
45) 1,2-Dichloropropane	9.22	63	91760	21.922	ug/l	98
46) Dibromomethane	9.31	93	49632	20.301	ug/l	98
47) Bromodichloromethane	9.50	83	127557	21.938	ug/l	97
48) Methyl methacrylate	9.30	41	62562	22.851	ug/l	92
49) 1,4-Dioxane	9.30	88	13763	443.569	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	355433	111.663	ug/l	98
52) Toluene	10.24	92	220373	21.314	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	128393	21.313	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	145513	20.964	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	71861	20.743	ug/l	94
56) Ethyl methacrylate	10.51	69	100366	21.310	ug/l	97
57) 1,3-Dichloropropane	10.79	76	125443	21.356	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	280468	116.763	ug/l	98
59) 2-Hexanone	10.83	43	242003	108.911	ug/l	99
60) Dibromochloromethane	10.99	129	90133	20.686	ug/l	99
61) 1,2-Dibromoethane	11.09	107	69387	20.294	ug/l	100
64) Tetrachloroethene	10.72	164	97399	18.056	ug/l	97
65) Chlorobenzene	11.52	112	239977	20.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	92375	20.407	ug/l	99
67) Ethyl Benzene	11.59	91	421734	20.267	ug/l	98
68) m/p-Xylenes	11.70	106	321257	40.688	ug/l	100
69) o-Xylene	12.03	106	150937	20.463	ug/l	100
70) Styrene	12.04	104	259220	20.543	ug/l	99
71) Bromoform	12.20	173	60190	20.260	ug/l	# 98
73) Isopropylbenzene	12.33	105	410381	20.117	ug/l	100
74) N-amyl acetate	12.14	43	121664	21.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	83856	21.284	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	60212m	21.250	ug/l	
77) Bromobenzene	12.61	156	106396	20.461	ug/l	99
78) n-propylbenzene	12.67	91	494721	20.574	ug/l	100
79) 2-Chlorotoluene	12.75	91	275087	20.504	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	349177	20.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	30387	20.871	ug/l	95
82) 4-Chlorotoluene	12.85	91	290291	20.730	ug/l	100
83) tert-Butylbenzene	13.08	119	310942	20.727	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	351649	20.556	ug/l	98
85) sec-Butylbenzene	13.25	105	425703	20.646	ug/l	100
86) p-Isopropyltoluene	13.37	119	391492	20.334	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	204331	20.779	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	201566	20.704	ug/l	99
89) n-Butylbenzene	13.69	91	377906	20.868	ug/l	99
90) Hexachloroethane	13.96	117	72048	20.549	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	181116	20.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13544	21.204	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	125884	20.506	ug/l	99
94) Hexachlorobutadiene	15.11	225	85974	20.438	ug/l	99
95) Naphthalene	15.23	128	212318	20.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	100335	20.675	ug/l	97

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

