

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001870.D
 Acq On : 05 Mar 2020 10:55
 Operator : SY/MD
 Sample : VY0305SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:45 AM

Quant Time: Mar 06 04:52:12 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	7.80	168	179504	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	324591	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	291193	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	137512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	95203	49.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.73	113	87927	49.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.18	98	370391	49.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.49	95	126172	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	31896	19.250	ug/l 99
3) Chloromethane	2.12	50	48639	21.773	ug/l 100
4) Vinyl Chloride	2.26	62	44993	19.801	ug/l 98
5) Bromomethane	2.65	94	31094	19.906	ug/l 100
6) Chloroethane	2.80	64	28892	20.241	ug/l 99
7) Trichlorofluoromethane	3.13	101	61089	19.823	ug/l 99
8) Diethyl Ether	3.54	74	24379	20.072	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40107	20.235	ug/l 98
10) Methyl Iodide	4.10	142	42002	18.324	ug/l 99
11) Tert butyl alcohol	4.98	59	18416	76.694	ug/l 100
12) 1,1-Dichloroethene	3.89	96	39515	19.799	ug/l 95
13) Acrolein	3.75	56	26946	100.064	ug/l 96
14) Allyl chloride	4.50	41	70585	19.950	ug/l 100
15) Acrylonitrile	5.18	53	65917	101.562	ug/l 99
16) Acetone	3.96	43	53969	96.693	ug/l 98
17) Carbon Disulfide	4.21	76	131764	19.640	ug/l 99
18) Methyl Acetate	4.49	43	28686	20.002	ug/l 98
19) Methyl tert-butyl Ether	5.24	73	108414	20.046	ug/l 98
20) Methylene Chloride	4.74	84	48252	20.171	ug/l 96
21) trans-1,2-Dichloroethene	5.23	96	44398	19.600	ug/l 95
22) Diisopropyl ether	6.13	45	145270	20.030	ug/l 99
23) Vinyl Acetate	6.08	43	475628	100.038	ug/l 98
24) 1,1-Dichloroethane	6.04	63	77306	19.684	ug/l 99
25) 2-Butanone	7.00	43	82479	97.172	ug/l 97
26) 2,2-Dichloropropane	7.00	77	63105	19.576	ug/l 98
27) cis-1,2-Dichloroethene	7.00	96	49418	20.055	ug/l 99
28) Bromochloromethane	7.35	49	35927	20.295	ug/l 97
29) Tetrahydrofuran	7.36	42	56862	100.881	ug/l 100
30) Chloroform	7.52	83	73308	19.867	ug/l 99
31) Cyclohexane	7.80	56	82421	19.572	ug/l 99
32) 1,1,1-Trichloroethane	7.71	97	61610	19.810	ug/l 98
36) 1,1-Dichloropropene	7.93	75	61753	19.770	ug/l 99
37) Ethyl Acetate	7.09	43	36186	19.933	ug/l 99
38) Carbon Tetrachloride	7.91	117	53097	19.899	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81625	19.703	ug/l	98
40) Benzene	8.17	78	184003	19.875	ug/l	100
41) Methacrylonitrile	7.33	41	19073m	23.345	ug/l	
42) 1,2-Dichloroethane	8.25	62	48277	20.236	ug/l	99
43) Isopropyl Acetate	8.28	43	67227	19.559	ug/l	99
44) Trichloroethene	8.94	130	43877	19.460	ug/l	98
45) 1,2-Dichloropropane	9.22	63	46096	19.806	ug/l	99
46) Dibromomethane	9.31	93	24006	20.016	ug/l	99
47) Bromodichloromethane	9.50	83	55314	19.826	ug/l	97
48) Methyl methacrylate	9.30	41	29800	19.539	ug/l	95
49) 1,4-Dioxane	9.30	88	6638	403.920	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	177290	100.144	ug/l	99
52) Toluene	10.25	92	112495	20.002	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61151	20.118	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	72571	20.056	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	34470	19.639	ug/l	96
56) Ethyl methacrylate	10.52	69	51794	20.132	ug/l	96
57) 1,3-Dichloropropane	10.80	76	61208	19.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	129031	127.749	ug/l	100
59) 2-Hexanone	10.84	43	126992	100.501	ug/l	99
60) Dibromochloromethane	10.99	129	36040	19.486	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32640	19.632	ug/l	98
64) Tetrachloroethene	10.72	164	35378	19.373	ug/l	97
65) Chlorobenzene	11.52	112	114705	19.769	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	37781	19.856	ug/l	99
67) Ethyl Benzene	11.60	91	214931	19.862	ug/l	97
68) m/p-Xylenes	11.70	106	159746	39.930	ug/l	100
69) o-Xylene	12.03	106	74769	19.829	ug/l	98
70) Styrene	12.05	104	130951	20.277	ug/l	99
71) Bromoform	12.21	173	20961	20.314	ug/l	# 99
73) Isopropylbenzene	12.33	105	201128	19.160	ug/l	99
74) N-amyl acetate	12.14	43	61762	19.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	43791	19.345	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28447m	17.434	ug/l	
77) Bromobenzene	12.61	156	42748	19.221	ug/l	99
78) n-propylbenzene	12.67	91	252862	19.525	ug/l	100
79) 2-Chlorotoluene	12.76	91	138152	19.309	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	169963	19.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15913	19.700	ug/l	98
82) 4-Chlorotoluene	12.86	91	146246	19.631	ug/l	100
83) tert-Butylbenzene	13.08	119	139589	19.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	167196	19.495	ug/l	99
85) sec-Butylbenzene	13.26	105	207651	19.627	ug/l	99
86) p-Isopropyltoluene	13.38	119	182258	19.970	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	85897	19.709	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	86744	19.619	ug/l	99
89) n-Butylbenzene	13.70	91	186126	19.657	ug/l	99
90) Hexachloroethane	13.97	117	32794	19.047	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	76706	19.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6936	19.635	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51864	20.198	ug/l	99
94) Hexachlorobutadiene	15.12	225	24508	19.577	ug/l	98
95) Naphthalene	15.24	128	119759	19.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	44933	19.864	ug/l	99

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

