

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001527.D
 Acq On : 06 Feb 2020 13:58
 Operator : SY/MD
 Sample : VY0206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 4:50:48 PM

Quant Time: Feb 07 04:20:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	223099	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	395592	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	354121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	170312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	125409	55.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.66%	
35) Dibromofluoromethane	7.75	113	115295	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.20	98	470033	54.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.49	95	174923	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	43199	19.781	ug/l	98
3) Chloromethane	2.13	50	56268	24.652	ug/l	96
4) Vinyl Chloride	2.27	62	58519	24.691	ug/l	98
5) Bromomethane	2.66	94	39020	26.179	ug/l	96
6) Chloroethane	2.82	64	37115	25.980	ug/l	95
7) Trichlorofluoromethane	3.15	101	76598	19.525	ug/l	96
8) Diethyl Ether	3.56	74	29835	22.537	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.94	101	48563	20.574	ug/l	98
10) Methyl Iodide	4.13	142	58248	19.367	ug/l	100
11) Tert butyl alcohol	5.00	59	35467	123.265	ug/l #	89
12) 1,1-Dichloroethene	3.91	96	48708	20.766	ug/l	95
13) Acrolein	3.77	56	24987	117.477	ug/l	98
14) Allyl chloride	4.52	41	86335	24.061	ug/l	98
15) Acrylonitrile	5.21	53	76748	126.461	ug/l	99
16) Acetone	3.99	43	73221	112.689	ug/l	97
17) Carbon Disulfide	4.23	76	160367	21.477	ug/l	99
18) Methyl Acetate	4.52	43	37912	27.342	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	140311	22.494	ug/l	99
20) Methylene Chloride	4.76	84	60041	20.843	ug/l	94
21) trans-1,2-Dichloroethene	5.27	96	56618	21.713	ug/l	94
22) Diisopropyl ether	6.16	45	179001	25.180	ug/l	97
23) Vinyl Acetate	6.11	43	587901	129.907	ug/l	98
24) 1,1-Dichloroethane	6.07	63	96425	22.550	ug/l	99
25) 2-Butanone	7.03	43	110235	130.770	ug/l	96
26) 2,2-Dichloropropane	7.02	77	87110	21.286	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	63044	22.136	ug/l	98
28) Bromochloromethane	7.38	49	33175	22.774	ug/l	91
29) Tetrahydrofuran	7.38	42	69798	138.146	ug/l	94
30) Chloroform	7.54	83	92880	21.444	ug/l	96
31) Cyclohexane	7.82	56	99754	22.806	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	82090	20.904	ug/l	97
36) 1,1-Dichloropropene	7.95	75	77938	21.536	ug/l	99
37) Ethyl Acetate	7.11	43	47844	27.310	ug/l	95
38) Carbon Tetrachloride	7.94	117	70664	20.182	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	102499	21.510	ug/l	99
40) Benzene	8.19	78	225860	21.881	ug/l	100
41) Methacrylonitrile	7.35	41	23913m	29.451	ug/l	
42) 1,2-Dichloroethane	8.27	62	64460	22.415	ug/l	98
43) Isopropyl Acetate	8.30	43	89791	25.886	ug/l	95
44) Trichloroethene	8.96	130	57129	20.533	ug/l	94
45) 1,2-Dichloropropane	9.24	63	56255	22.569	ug/l	98
46) Dibromomethane	9.33	93	30599	21.862	ug/l	99
47) Bromodichloromethane	9.52	83	72785	21.343	ug/l	98
48) Methyl methacrylate	9.32	41	40836	25.939	ug/l	94
49) 1,4-Dioxane	9.32	88	8138	440.261	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	231884	135.746	ug/l	95
52) Toluene	10.26	92	144741	22.099	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	81499	21.941	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	94282	22.109	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	45520	22.668	ug/l	99
56) Ethyl methacrylate	10.52	69	67804	23.739	ug/l	93
57) 1,3-Dichloropropane	10.81	76	79264	22.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	114101	108.591	ug/l	96
59) 2-Hexanone	10.85	43	168743	135.861	ug/l	96
60) Dibromochloromethane	11.00	129	49337	20.843	ug/l	99
61) 1,2-Dibromoethane	11.10	107	43247	21.865	ug/l	99
64) Tetrachloroethene	10.74	164	47511	20.458	ug/l	98
65) Chlorobenzene	11.53	112	147372	21.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	51405	21.124	ug/l	99
67) Ethyl Benzene	11.60	91	278984	21.701	ug/l	99
68) m/p-Xylenes	11.71	106	208676	43.238	ug/l	99
69) o-Xylene	12.04	106	98467	21.639	ug/l	98
70) Styrene	12.06	104	172716	21.948	ug/l	99
71) Bromoform	12.22	173	29772	21.971	ug/l #	99
73) Isopropylbenzene	12.34	105	268792	20.693	ug/l	100
74) N-amyl acetate	12.15	43	87036	25.786	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	57392	23.256	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	37650m	20.556	ug/l	
77) Bromobenzene	12.62	156	58791	20.914	ug/l	96
78) n-propylbenzene	12.68	91	327395	21.054	ug/l	99
79) 2-Chlorotoluene	12.77	91	183270	20.676	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	223493	20.430	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	21234	22.433	ug/l	96
82) 4-Chlorotoluene	12.86	91	193991	20.874	ug/l	99
83) tert-Butylbenzene	13.08	119	186973	20.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	225424	20.820	ug/l	99
85) sec-Butylbenzene	13.26	105	272734	20.979	ug/l	100
86) p-Isopropyltoluene	13.38	119	244425	21.335	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	115076	21.361	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	116391	21.566	ug/l	99
89) n-Butylbenzene	13.70	91	243177	21.513	ug/l	100
90) Hexachloroethane	13.97	117	45564	20.721	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	107819	22.085	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10438	22.911	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	71303	21.673	ug/l	98
94) Hexachlorobutadiene	15.12	225	35001	20.962	ug/l	98
95) Naphthalene	15.25	128	165154	21.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	63014	21.698	ug/l	97

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

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