

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002301.D
 Acq On : 14 Apr 2020 12:28
 Operator : SY/MD
 Sample : VY0414SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 9:38:20 AM

Quant Time: Apr 15 06:08:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	170556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	304967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	272941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	125829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	78005	41.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.26%	
35) Dibromofluoromethane	7.73	113	82159	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
50) Toluene-d8	10.18	98	346481	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
62) 4-Bromofluorobenzene	12.49	95	113387	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31270	18.141	ug/l	95
3) Chloromethane	2.12	50	40335	18.592	ug/l	98
4) Vinyl Chloride	2.26	62	42401	18.363	ug/l	98
5) Bromomethane	2.65	94	27463	19.260	ug/l	98
6) Chloroethane	2.79	64	24198	18.171	ug/l	92
7) Trichlorofluoromethane	3.13	101	56439	18.926	ug/l	97
8) Diethyl Ether	3.54	74	24838	19.592	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	39979	19.736	ug/l	99
10) Methyl Iodide	4.10	142	42480	18.041	ug/l	98
11) Tert butyl alcohol	4.97	59	22194	88.168	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	40812	19.817	ug/l	90
13) Acrolein	3.74	56	19516	79.802	ug/l	99
14) Allyl chloride	4.49	41	57977	17.434	ug/l	97
15) Acrylonitrile	5.18	53	57920	89.342	ug/l	100
16) Acetone	3.96	43	45297	90.674	ug/l	94
17) Carbon Disulfide	4.20	76	132725	19.406	ug/l	97
18) Methyl Acetate	4.49	43	27260	17.592	ug/l	93
19) Methyl tert-butyl Ether	5.24	73	100449	18.553	ug/l	98
20) Methylene Chloride	4.72	84	47945	19.526	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	45302	19.598	ug/l	96
22) Diisopropyl ether	6.13	45	122598	18.318	ug/l	98
23) Vinyl Acetate	6.07	43	375213	87.976	ug/l	98
24) 1,1-Dichloroethane	6.03	63	72964	19.167	ug/l	97
25) 2-Butanone	7.00	43	68584	86.752	ug/l	97
26) 2,2-Dichloropropane	6.99	77	58886	18.492	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	48768	19.354	ug/l	96
28) Bromochloromethane	7.35	49	31179	18.974	ug/l	94
29) Tetrahydrofuran	7.36	42	44021	84.236	ug/l	97
30) Chloroform	7.52	83	68555	19.105	ug/l	98
31) Cyclohexane	7.79	56	73794	18.468	ug/l #	89
32) 1,1,1-Trichloroethane	7.71	97	56748	19.000	ug/l	99
36) 1,1-Dichloropropene	7.93	75	58502	19.475	ug/l	99
37) Ethyl Acetate	7.08	43	29933	17.443	ug/l	96
38) Carbon Tetrachloride	7.91	117	49605	19.306	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78116	19.117	ug/l	93
40) Benzene	8.17	78	179443	19.689	ug/l	98
41) Methacrylonitrile	7.33	41	15978m	15.783	ug/l	
42) 1,2-Dichloroethane	8.24	62	41073	18.193	ug/l	97
43) Isopropyl Acetate	8.28	43	53495	17.093	ug/l	98
44) Trichloroethene	8.94	130	51287	19.141	ug/l	91
45) 1,2-Dichloropropane	9.22	63	43392	19.189	ug/l	100
46) Dibromomethane	9.31	93	22429	18.970	ug/l	97
47) Bromodichloromethane	9.50	83	52007	19.170	ug/l	99
48) Methyl methacrylate	9.30	41	24584	17.518	ug/l	96
49) 1,4-Dioxane	9.31	88	6357	380.095	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	148314	90.944	ug/l	99
52) Toluene	10.25	92	108657	19.783	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	55283	18.703	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	67057	18.870	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	33230	19.197	ug/l	98
56) Ethyl methacrylate	10.52	69	46448	18.801	ug/l	93
57) 1,3-Dichloropropane	10.80	76	56949	18.718	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	117192	91.602	ug/l	99
59) 2-Hexanone	10.83	43	98527	87.050	ug/l	98
60) Dibromochloromethane	10.99	129	35459	19.211	ug/l	98
61) 1,2-Dibromoethane	11.10	107	31062	18.849	ug/l	99
64) Tetrachloroethene	10.72	164	54127	19.615	ug/l	98
65) Chlorobenzene	11.52	112	111856	19.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	37048	19.778	ug/l	99
67) Ethyl Benzene	11.60	91	205283	19.764	ug/l	99
68) m/p-Xylenes	11.70	106	154337	39.673	ug/l	99
69) o-Xylene	12.03	106	71727	19.639	ug/l	99
70) Styrene	12.05	104	124385	19.630	ug/l	98
71) Bromoform	12.21	173	19335	18.981	ug/l	# 99
73) Isopropylbenzene	12.33	105	192995	19.524	ug/l	99
74) N-amyl acetate	12.15	43	48258	17.198	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	24476	20.465	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	24971m	17.090	ug/l	
77) Bromobenzene	12.61	156	42419	19.504	ug/l	95
78) n-propylbenzene	12.67	91	236705	19.253	ug/l	99
79) 2-Chlorotoluene	12.76	91	129232	19.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	159053	19.455	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14156	18.844	ug/l	96
82) 4-Chlorotoluene	12.86	91	133031	18.997	ug/l	98
83) tert-Butylbenzene	13.08	119	132332	19.324	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	159685	19.560	ug/l	100
85) sec-Butylbenzene	13.26	105	198558	19.464	ug/l	100
86) p-Isopropyltoluene	13.38	119	172486	19.646	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	83334	19.771	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	82606	19.307	ug/l	99
89) n-Butylbenzene	13.70	91	173187	19.244	ug/l	99
90) Hexachloroethane	13.97	117	31945	19.094	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	74536	19.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5231	18.084	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	47155	18.837	ug/l	99
94) Hexachlorobutadiene	15.12	225	24578	19.493	ug/l	100
95) Naphthalene	15.24	128	99571	18.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	39855	18.335	ug/l	99

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

