

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001214.D
 Acq On : 15 Jan 2020 13:48
 Operator : SY/MD
 Sample : VY0115SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:20 AM

Quant Time: Jan 16 05:21:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	176031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	308823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	278221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	94734	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.73	113	87786	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.18	98	359121	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.48	95	133941	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	32295	23.889	ug/l	96
3) Chloromethane	2.12	50	44677	22.927	ug/l	96
4) Vinyl Chloride	2.25	62	48400	24.654	ug/l	99
5) Bromomethane	2.64	94	31353	29.732	ug/l	92
6) Chloroethane	2.79	64	29697	26.184	ug/l	96
7) Trichlorofluoromethane	3.13	101	59506	21.776	ug/l	100
8) Diethyl Ether	3.53	74	25154	23.690	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	38058	21.637	ug/l	100
10) Methyl Iodide	4.10	142	51435	21.364	ug/l	100
11) Tert butyl alcohol	4.97	59	27106	144.905	ug/l #	73
12) 1,1-Dichloroethene	3.88	96	40057	22.259	ug/l	98
13) Acrolein	3.73	56	21743	129.114	ug/l	100
14) Allyl chloride	4.49	41	68003	22.390	ug/l	99
15) Acrylonitrile	5.18	53	64679	121.797	ug/l	99
16) Acetone	3.96	43	52237	120.980	ug/l	96
17) Carbon Disulfide	4.19	76	130184	22.352	ug/l	100
18) Methyl Acetate	4.49	43	33098	23.185	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	117708	23.647	ug/l	96
20) Methylene Chloride	4.72	84	53589	23.730	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	46931	23.000	ug/l	97
22) Diisopropyl ether	6.13	45	141578	22.823	ug/l	96
23) Vinyl Acetate	6.07	43	472211	119.024	ug/l	98
24) 1,1-Dichloroethane	6.02	63	78020	22.973	ug/l	99
25) 2-Butanone	7.00	43	86057	128.060	ug/l	97
26) 2,2-Dichloropropane	6.99	77	68592	21.964	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	52484	23.474	ug/l	100
28) Bromochloromethane	7.35	49	27221	19.519	ug/l	100
29) Tetrahydrofuran	7.36	42	56668	123.050	ug/l	97
30) Chloroform	7.52	83	76858	23.097	ug/l	97
31) Cyclohexane	7.79	56	77622	21.587	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	64476	21.838	ug/l	99
36) 1,1-Dichloropropene	7.93	75	61204	21.744	ug/l	100
37) Ethyl Acetate	7.08	43	37888	22.936	ug/l	99
38) Carbon Tetrachloride	7.91	117	55255	21.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	79582	20.855	ug/l	98
40) Benzene	8.16	78	187282	22.794	ug/l	99
41) Methacrylonitrile	7.33	41	18393m	23.704	ug/l	
42) 1,2-Dichloroethane	8.24	62	51929	22.571	ug/l	99
43) Isopropyl Acetate	8.28	43	73239	23.186	ug/l	99
44) Trichloroethene	8.94	130	49221	22.990	ug/l	97
45) 1,2-Dichloropropane	9.22	63	46583	22.933	ug/l	96
46) Dibromomethane	9.31	93	25173	22.713	ug/l	100
47) Bromodichloromethane	9.50	83	60457	22.383	ug/l	99
48) Methyl methacrylate	9.30	41	33203	22.715	ug/l	98
49) 1,4-Dioxane	9.30	88	7206	533.897	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	185130	115.505	ug/l	100
52) Toluene	10.24	92	116361	22.204	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	67133	22.212	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	76563	22.468	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	37316	22.712	ug/l	96
56) Ethyl methacrylate	10.51	69	56560	22.504	ug/l	99
57) 1,3-Dichloropropane	10.79	76	64498	22.866	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	97935	110.792	ug/l	100
59) 2-Hexanone	10.83	43	133145	118.532	ug/l	98
60) Dibromochloromethane	10.99	129	42563	22.499	ug/l	99
61) 1,2-Dibromoethane	11.08	107	35861	22.353	ug/l	99
64) Tetrachloroethene	10.72	164	38911	21.696	ug/l	95
65) Chlorobenzene	11.52	112	123289	22.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	43292	22.594	ug/l	98
67) Ethyl Benzene	11.59	91	225540	22.178	ug/l	99
68) m/p-Xylenes	11.70	106	172364	44.929	ug/l	99
69) o-Xylene	12.03	106	82443	22.414	ug/l	97
70) Styrene	12.04	104	143391	22.218	ug/l	98
71) Bromoform	12.20	173	25874	21.897	ug/l #	99
73) Isopropylbenzene	12.33	105	216770	21.804	ug/l	100
74) N-amyl acetate	12.14	43	69798	22.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	47480	22.699	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	30313m	21.412	ug/l	
77) Bromobenzene	12.61	156	48674	22.157	ug/l	97
78) n-propylbenzene	12.67	91	262537	21.954	ug/l	100
79) 2-Chlorotoluene	12.75	91	149694	21.796	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	182392	21.987	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17764	21.278	ug/l #	94
82) 4-Chlorotoluene	12.85	91	155975	21.273	ug/l	98
83) tert-Butylbenzene	13.07	119	151246	21.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	182974	22.212	ug/l	99
85) sec-Butylbenzene	13.25	105	221626	22.102	ug/l	100
86) p-Isopropyltoluene	13.37	119	194689	22.362	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	96149	23.143	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	95138	22.250	ug/l	100
89) n-Butylbenzene	13.69	91	194801	22.215	ug/l	99
90) Hexachloroethane	13.95	117	36504	21.458	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	88005	22.792	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	8153	21.608	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	59456	23.371	ug/l	99
94) Hexachlorobutadiene	15.11	225	29420	22.955	ug/l	99
95) Naphthalene	15.23	128	136774	23.094	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	52674	23.493	ug/l	99

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

