

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000274.D
 Acq On : 11 Oct 2019 16:39
 Operator : SY/MD
 Sample : VY1011SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:34:05 PM

Quant Time: Oct 14 08:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	279575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	462163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	154112	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.74	113	139913	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.19	98	571981	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.48	95	196726	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	57147	23.574	ug/l	94
3) Chloromethane	2.11	50	71139	20.823	ug/l	95
4) Vinyl Chloride	2.25	62	76300	22.130	ug/l	98
5) Bromomethane	2.63	94	57303	22.426	ug/l	99
6) Chloroethane	2.79	64	46088	20.717	ug/l	97
7) Trichlorofluoromethane	3.12	101	97452	20.663	ug/l	97
8) Diethyl Ether	3.53	74	35628	21.384	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	59224	20.706	ug/l	100
10) Methyl Iodide	4.10	142	70938	18.186	ug/l	97
11) Tert butyl alcohol	4.97	59	31505	102.082	ug/l	99
12) 1,1-Dichloroethene	3.88	96	58920	20.867	ug/l	98
13) Acrolein	3.74	56	36630	101.236	ug/l	98
14) Allyl chloride	4.49	41	97519	20.841	ug/l	99
15) Acrylonitrile	5.17	53	92117	98.780	ug/l	95
16) Acetone	3.96	43	88248	92.403	ug/l	95
17) Carbon Disulfide	4.19	76	182943	20.578	ug/l	98
18) Methyl Acetate	4.49	43	48391	20.393	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	159166	20.249	ug/l	99
20) Methylene Chloride	4.72	84	70417	18.453	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	68400	21.114	ug/l	96
22) Diisopropyl ether	6.13	45	202804	20.492	ug/l	96
23) Vinyl Acetate	6.07	43	658934	102.057	ug/l	98
24) 1,1-Dichloroethane	6.03	63	113422	20.996	ug/l	99
25) 2-Butanone	7.00	43	132124	98.208	ug/l	98
26) 2,2-Dichloropropane	6.99	77	100930	20.276	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	74814	21.342	ug/l	96
28) Bromochloromethane	7.35	49	44379	19.137	ug/l	98
29) Tetrahydrofuran	7.36	42	82675	101.401	ug/l	99
30) Chloroform	7.52	83	114514	21.050	ug/l	94
31) Cyclohexane	7.80	56	115307	20.437	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	100162	20.709	ug/l	99
36) 1,1-Dichloropropene	7.92	75	91511	20.224	ug/l	99
37) Ethyl Acetate	7.08	43	54446	20.321	ug/l	99
38) Carbon Tetrachloride	7.91	117	88873	20.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	118677	20.039	ug/l	97
40) Benzene	8.17	78	267770	20.477	ug/l	100
41) Methacrylonitrile	7.32	41	22647m	17.758	ug/l	
42) 1,2-Dichloroethane	8.25	62	76701	20.534	ug/l	97
43) Isopropyl Acetate	8.28	43	100399	19.708	ug/l	98
44) Trichloroethene	8.95	130	75527	20.585	ug/l	99
45) 1,2-Dichloropropane	9.22	63	66271	20.652	ug/l	97
46) Dibromomethane	9.31	93	35979	20.057	ug/l	98
47) Bromodichloromethane	9.50	83	83584	19.771	ug/l	99
48) Methyl methacrylate	9.30	41	43941	19.681	ug/l	95
49) 1,4-Dioxane	9.31	88	10692	397.516	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	260198	99.027	ug/l	100
52) Toluene	10.25	92	166989	20.114	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	92063	20.319	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	106333	20.666	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	51302	19.669	ug/l	95
56) Ethyl methacrylate	10.52	69	74466	20.030	ug/l	99
57) 1,3-Dichloropropane	10.80	76	92917	20.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	152597	102.907	ug/l	100
59) 2-Hexanone	10.83	43	182665	99.042	ug/l	99
60) Dibromochloromethane	10.99	129	58845	20.355	ug/l	97
61) 1,2-Dibromoethane	11.09	107	50233	20.058	ug/l	99
64) Tetrachloroethene	10.72	164	79155	20.734	ug/l	98
65) Chlorobenzene	11.52	112	178178	21.053	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	62733	21.101	ug/l	97
67) Ethyl Benzene	11.59	91	323576	20.625	ug/l	96
68) m/p-Xylenes	11.70	106	247712	41.302	ug/l	99
69) o-Xylene	12.03	106	117297	20.501	ug/l	100
70) Styrene	12.05	104	198107	20.531	ug/l	98
71) Bromoform	12.20	173	35717	20.899	ug/l #	96
73) Isopropylbenzene	12.33	105	313533	20.526	ug/l	99
74) N-amyl acetate	12.14	43	79567	21.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	57702	20.120	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	49569m	20.578	ug/l	
77) Bromobenzene	12.61	156	69598	20.476	ug/l	98
78) n-propylbenzene	12.67	91	380915	20.770	ug/l	100
79) 2-Chlorotoluene	12.76	91	210687	20.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266501	20.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	22337	20.289	ug/l	99
82) 4-Chlorotoluene	12.86	91	219328	20.486	ug/l	100
83) tert-Butylbenzene	13.08	119	224831	20.728	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	263456	20.841	ug/l	99
85) sec-Butylbenzene	13.25	105	318624	20.306	ug/l	100
86) p-Isopropyltoluene	13.37	119	283538	20.727	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	137422	20.520	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	140559	20.999	ug/l	98
89) n-Butylbenzene	13.70	91	278887	20.630	ug/l	100
90) Hexachloroethane	13.96	117	51472	20.320	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	126261	20.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11213	20.615	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	87195	20.664	ug/l	99
94) Hexachlorobutadiene	15.11	225	48114	21.070	ug/l	99
95) Naphthalene	15.23	128	192620	20.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	78229	20.571	ug/l	97

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

