

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110119\
 Data File : VY000520.D
 Acq On : 01 Nov 2019 12:27
 Operator : SY/MD
 Sample : VY1101SBSD01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:40:27 PM

Quant Time: Nov 01 23:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	251651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	401816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	132339	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.74	113	115546	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.19	98	471945	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.48	95	163644	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	46658	18.835	ug/l	94
3) Chloromethane	2.11	50	64006	18.756	ug/l	100
4) Vinyl Chloride	2.26	62	59579	18.801	ug/l	96
5) Bromomethane	2.65	94	37424	19.694	ug/l	92
6) Chloroethane	2.80	64	37916	19.117	ug/l	99
7) Trichlorofluoromethane	3.13	101	84048	19.639	ug/l	97
8) Diethyl Ether	3.54	74	29934	19.685	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	49783	19.241	ug/l	99
10) Methyl Iodide	4.10	142	56694	18.781	ug/l	97
11) Tert butyl alcohol	4.97	59	22567	89.019	ug/l	98
12) 1,1-Dichloroethene	3.88	96	47807	19.018	ug/l	97
13) Acrolein	3.74	56	19538	88.479	ug/l	95
14) Allyl chloride	4.49	41	80140	19.606	ug/l	99
15) Acrylonitrile	5.18	53	74406	95.517	ug/l	99
16) Acetone	3.96	43	59796	83.309	ug/l	97
17) Carbon Disulfide	4.20	76	150601	18.995	ug/l	99
18) Methyl Acetate	4.49	43	38841	17.404	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	130043	18.607	ug/l	96
20) Methylene Chloride	4.72	84	60645	19.718	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	56033	19.717	ug/l	94
22) Diisopropyl ether	6.13	45	166794	18.774	ug/l	97
23) Vinyl Acetate	6.08	43	536498	95.663	ug/l	98
24) 1,1-Dichloroethane	6.03	63	89282	18.550	ug/l	100
25) 2-Butanone	7.00	43	102780	89.725	ug/l	100
26) 2,2-Dichloropropane	6.99	77	85294	19.392	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	58583	18.852	ug/l	98
28) Bromochloromethane	7.35	49	23437	13.896	ug/l	94
29) Tetrahydrofuran	7.36	42	63730	90.942	ug/l	99
30) Chloroform	7.52	83	93035	19.108	ug/l	96
31) Cyclohexane	7.80	56	94306	18.708	ug/l	# 95
32) 1,1,1-Trichloroethane	7.72	97	83653	19.278	ug/l	99
36) 1,1-Dichloropropene	7.93	75	75526	19.883	ug/l	99
37) Ethyl Acetate	7.09	43	44289	19.638	ug/l	100
38) Carbon Tetrachloride	7.91	117	73510	20.112	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	98282	20.027	ug/l	97
40) Benzene	8.17	78	218561	19.626	ug/l	96
41) Methacrylonitrile	7.33	41	25142m	19.984	ug/l	
42) 1,2-Dichloroethane	8.25	62	63974	20.254	ug/l	100
43) Isopropyl Acetate	8.28	43	83352	19.675	ug/l	98
44) Trichloroethene	8.95	130	60005	20.436	ug/l	90
45) 1,2-Dichloropropane	9.22	63	55736	20.335	ug/l	92
46) Dibromomethane	9.31	93	29944	19.865	ug/l	98
47) Bromodichloromethane	9.50	83	70176	19.620	ug/l	94
48) Methyl methacrylate	9.30	41	36385	19.657	ug/l	97
49) 1,4-Dioxane	9.31	88	7728	380.928	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	219142	97.292	ug/l	98
52) Toluene	10.25	92	138534	19.676	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	75794	19.832	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	88048	20.111	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	42689	19.580	ug/l	92
56) Ethyl methacrylate	10.52	69	60279	19.507	ug/l	98
57) 1,3-Dichloropropane	10.80	76	74574	19.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	137256	98.248	ug/l	99
59) 2-Hexanone	10.83	43	158638	96.666	ug/l	99
60) Dibromochloromethane	10.99	129	46554	18.642	ug/l	95
61) 1,2-Dibromoethane	11.09	107	40889	19.505	ug/l	99
64) Tetrachloroethene	10.72	164	60930	20.550	ug/l	96
65) Chlorobenzene	11.52	112	146431	20.142	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	48941	19.411	ug/l	98
67) Ethyl Benzene	11.59	91	266716	19.934	ug/l	99
68) m/p-Xylenes	11.70	106	209717	40.498	ug/l	99
69) o-Xylene	12.03	106	93595	19.231	ug/l	97
70) Styrene	12.05	104	160222	19.225	ug/l	98
71) Bromoform	12.21	173	28229	19.466	ug/l #	97
73) Isopropylbenzene	12.33	105	262800	20.131	ug/l	99
74) N-amyl acetate	12.14	43	72604	19.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	51445	19.903	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39452m	19.616	ug/l	
77) Bromobenzene	12.61	156	59421	20.072	ug/l	97
78) n-propylbenzene	12.67	91	320268	20.333	ug/l	99
79) 2-Chlorotoluene	12.75	91	175122	20.026	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	219799	20.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16614	18.522	ug/l	98
82) 4-Chlorotoluene	12.86	91	181406	20.013	ug/l	100
83) tert-Butylbenzene	13.08	119	184151	19.837	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	220194	20.341	ug/l	100
85) sec-Butylbenzene	13.25	105	265577	20.080	ug/l	98
86) p-Isopropyltoluene	13.37	119	241217	20.463	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	116981	20.174	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	115207	19.883	ug/l	99
89) n-Butylbenzene	13.69	91	233286	20.065	ug/l	99
90) Hexachloroethane	13.96	117	42748	19.616	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	107830	20.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8968	19.604	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	77223	21.557	ug/l	94
94) Hexachlorobutadiene	15.11	225	39487	21.384	ug/l	99
95) Naphthalene	15.23	128	162490	20.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	66909	20.819	ug/l	99

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

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