

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000133.D
 Acq On : 23 Sep 2019 15:54
 Operator : SY/MD
 Sample : VY0923SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:28 AM

Quant Time: Sep 24 05:30:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	111580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	221538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	193886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83722	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	65556	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.71	113	59717	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.18	98	256394	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.48	95	87591	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	25754	23.267	ug/l	88
3) Chloromethane	2.11	50	33757	16.146	ug/l	98
4) Vinyl Chloride	2.25	62	35502	20.695	ug/l	99
5) Bromomethane	2.62	94	24427	22.988	ug/l	93
6) Chloroethane	2.78	64	22577	21.303	ug/l	94
7) Trichlorofluoromethane	3.12	101	40507	20.672	ug/l	97
8) Diethyl Ether	3.53	74	18596	22.139	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	25746	19.816	ug/l	98
10) Methyl Iodide	4.08	142	27426	16.454	ug/l	98
11) Tert butyl alcohol	4.98	59	14065m	106.214	ug/l	
12) 1,1-Dichloroethene	3.86	96	28490	21.231	ug/l	90
13) Acrolein	3.73	56	8401	156.144	ug/l #	83
14) Allyl chloride	4.47	41	40681	21.477	ug/l	98
15) Acrylonitrile	5.16	53	45871	112.659	ug/l	98
16) Acetone	3.95	43	27199	109.085	ug/l	98
17) Carbon Disulfide	4.18	76	96220	20.811	ug/l #	94
18) Methyl Acetate	4.47	43	21580	23.626	ug/l	94
19) Methyl tert-butyl Ether	5.21	73	72699	20.849	ug/l	96
20) Methylene Chloride	4.71	84	51806	30.918	ug/l #	92
21) trans-1,2-Dichloroethene	5.21	96	32512	21.484	ug/l	99
22) Diisopropyl ether	6.12	45	82263	20.369	ug/l	97
23) Vinyl Acetate	6.06	43	277148	102.975	ug/l	100
24) 1,1-Dichloroethane	6.01	63	49905	20.743	ug/l	97
25) 2-Butanone	6.99	43	49083	106.102	ug/l	96
26) 2,2-Dichloropropane	6.98	77	42421	19.457	ug/l	100
27) cis-1,2-Dichloroethene	6.98	96	33808	20.072	ug/l	96
28) Bromochloromethane	7.34	49	18138	19.293	ug/l	94
29) Tetrahydrofuran	7.35	42	33106	105.679	ug/l	99
30) Chloroform	7.51	83	47824	19.745	ug/l	97
31) Cyclohexane	7.78	56	51861	20.788	ug/l	87
32) 1,1,1-Trichloroethane	7.70	97	41514	20.834	ug/l	98
36) 1,1-Dichloropropene	7.91	75	40978	19.977	ug/l	97
37) Ethyl Acetate	7.08	43	21704	20.035	ug/l	94
38) Carbon Tetrachloride	7.90	117	34671	19.694	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	56486	20.022	ug/l	95
40) Benzene	8.16	78	126560	19.991	ug/l	97
41) Methacrylonitrile	7.32	41	11380m	21.337	ug/l	
42) 1,2-Dichloroethane	8.23	62	31286	19.379	ug/l	99
43) Isopropyl Acetate	8.28	43	42658	19.687	ug/l	99
44) Trichloroethene	8.94	130	30625	19.482	ug/l	99
45) 1,2-Dichloropropane	9.22	63	30881	20.195	ug/l #	85
46) Dibromomethane	9.31	93	17225	20.255	ug/l	95
47) Bromodichloromethane	9.49	83	38606	19.827	ug/l #	97
48) Methyl methacrylate	9.29	41	18454	19.930	ug/l	99
49) 1,4-Dioxane	9.30	88	5994	446.464	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	115115	104.258	ug/l	100
52) Toluene	10.24	92	78488	20.063	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	41122	19.367	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	48353	19.642	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	23533	19.324	ug/l #	89
56) Ethyl methacrylate	10.51	69	36404	21.222	ug/l	94
57) 1,3-Dichloropropane	10.79	76	41976	19.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	83381	98.454	ug/l	99
59) 2-Hexanone	10.83	43	79548	102.855	ug/l	99
60) Dibromochloromethane	10.98	129	24326	19.112	ug/l	95
61) 1,2-Dibromoethane	11.09	107	23850	20.838	ug/l	99
64) Tetrachloroethene	10.71	164	28810	19.521	ug/l	92
65) Chlorobenzene	11.51	112	77343	19.651	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	24891	19.681	ug/l	97
67) Ethyl Benzene	11.59	91	142061	19.856	ug/l	98
68) m/p-Xylenes	11.70	106	109585	39.720	ug/l	98
69) o-Xylene	12.02	106	51692	19.600	ug/l	99
70) Styrene	12.04	104	87500	19.636	ug/l	98
71) Bromoform	12.20	173	14175	19.851	ug/l #	99
73) Isopropylbenzene	12.32	105	134129	20.121	ug/l	100
74) N-amyl acetate	12.14	43	37721	20.304	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	26977	20.269	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	21610m	24.630	ug/l	
77) Bromobenzene	12.60	156	28507	20.451	ug/l	97
78) n-propylbenzene	12.66	91	163091	19.783	ug/l	100
79) 2-Chlorotoluene	12.75	91	89570	19.791	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	110996	19.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	11316	21.200	ug/l #	79
82) 4-Chlorotoluene	12.85	91	93367	20.002	ug/l	96
83) tert-Butylbenzene	13.07	119	91838	20.097	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	110625	19.871	ug/l	99
85) sec-Butylbenzene	13.25	105	135813	19.882	ug/l	99
86) p-Isopropyltoluene	13.37	119	114679	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	54286	19.904	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	54570	19.602	ug/l	99
89) n-Butylbenzene	13.69	91	118964	19.913	ug/l	98
90) Hexachloroethane	13.96	117	22244	19.285	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	51525	20.025	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5372	21.960	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	32569	19.687	ug/l	99
94) Hexachlorobutadiene	15.11	225	14896	20.259	ug/l	97
95) Naphthalene	15.23	128	86834	20.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	31031	21.032	ug/l	97

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

