

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000063.D
 Acq On : 18 Sep 2019 16:19
 Operator : SY/MD
 Sample : VY0918SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:39:29 AM

Quant Time: Sep 19 05:08:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	104436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	205012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	178426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	75600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	58091	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.72	113	56055	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	10.18	98	237961	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.48	95	79184	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	18321	22.873	ug/l	96
3) Chloromethane	2.11	50	23707	20.849	ug/l	95
4) Vinyl Chloride	2.25	62	24691	21.188	ug/l	97
5) Bromomethane	2.62	94	17505	22.139	ug/l	99
6) Chloroethane	2.78	64	16926	21.669	ug/l #	86
7) Trichlorofluoromethane	3.12	101	35237	21.870	ug/l	88
8) Diethyl Ether	3.52	74	14224	20.618	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	23773	21.507	ug/l	97
10) Methyl Iodide	4.09	142	20994	18.263	ug/l	99
11) Tert butyl alcohol	4.98	59	15479	108.667	ug/l #	85
12) 1,1-Dichloroethene	3.87	96	21245	20.849	ug/l	87
13) Acrolein	3.73	56	10396	130.476	ug/l	98
14) Allyl chloride	4.47	41	33309	21.387	ug/l	98
15) Acrylonitrile	5.17	53	43403	104.917	ug/l	98
16) Acetone	3.95	43	31021	110.885	ug/l #	79
17) Carbon Disulfide	4.19	76	41369	20.939	ug/l #	91
18) Methyl Acetate	4.48	43	19367	20.721	ug/l	92
19) Methyl tert-butyl Ether	5.22	73	66711	20.949	ug/l	95
20) Methylene Chloride	4.71	84	29255	22.229	ug/l #	95
21) trans-1,2-Dichloroethene	5.21	96	24097	21.273	ug/l	91
22) Diisopropyl ether	6.13	45	77770	22.101	ug/l	89
23) Vinyl Acetate	6.06	43	254990	108.273	ug/l	96
24) 1,1-Dichloroethane	6.02	63	45233	21.719	ug/l	96
25) 2-Butanone	7.00	43	51759	102.146	ug/l	94
26) 2,2-Dichloropropane	6.99	77	42216	21.479	ug/l	94
27) cis-1,2-Dichloroethene	6.99	96	31938	22.269	ug/l	99
28) Bromochloromethane	7.34	49	18668	19.337	ug/l	94
29) Tetrahydrofuran	7.35	42	32996	108.470	ug/l	98
30) Chloroform	7.51	83	47636	22.164	ug/l	94
31) Cyclohexane	7.78	56	36771	22.388	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	37777	21.640	ug/l	98
36) 1,1-Dichloropropene	7.91	75	33380	21.775	ug/l	97
37) Ethyl Acetate	7.08	43	21230	20.777	ug/l	98
38) Carbon Tetrachloride	7.90	117	30140	20.832	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	39779	21.104	ug/l	89
40) Benzene	8.16	78	108651	21.460	ug/l	95
41) Methacrylonitrile	7.32	41	10388m	16.519	ug/l	
42) 1,2-Dichloroethane	8.24	62	28562	21.297	ug/l	100
43) Isopropyl Acetate	8.27	43	41105	20.569	ug/l	99
44) Trichloroethene	8.94	130	26803	20.722	ug/l	97
45) 1,2-Dichloropropane	9.22	63	28161	21.471	ug/l	99
46) Dibromomethane	9.30	93	15319	21.384	ug/l	95
47) Bromodichloromethane	9.49	83	36857	21.202	ug/l #	97
48) Methyl methacrylate	9.29	41	17476	19.885	ug/l	95
49) 1,4-Dioxane	9.30	88	6088	437.699	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	113402	103.936	ug/l	100
52) Toluene	10.24	92	66560	20.692	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	38042	20.639	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	45014	21.148	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	24136	21.490	ug/l	98
56) Ethyl methacrylate	10.51	69	34129	21.355	ug/l	98
57) 1,3-Dichloropropane	10.79	76	40084	21.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	87531	101.316	ug/l	99
59) 2-Hexanone	10.83	43	81346	104.506	ug/l	98
60) Dibromochloromethane	10.98	129	24444	20.774	ug/l	99
61) 1,2-Dibromoethane	11.09	107	20532	20.014	ug/l	92
64) Tetrachloroethene	10.71	164	22676	20.249	ug/l	95
65) Chlorobenzene	11.51	112	72335	20.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	25199	21.117	ug/l	99
67) Ethyl Benzene	11.59	91	130404	20.704	ug/l	97
68) m/p-Xylenes	11.70	106	96940	40.448	ug/l	91
69) o-Xylene	12.02	106	49373	21.276	ug/l	95
70) Styrene	12.04	104	81573	20.023	ug/l	97
71) Bromoform	12.21	173	12935	18.724	ug/l #	95
73) Isopropylbenzene	12.33	105	125642	20.622	ug/l	99
74) N-amyl acetate	12.14	43	36678	21.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	30453	21.234	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	22056m	20.735	ug/l	
77) Bromobenzene	12.60	156	26005	20.441	ug/l	96
78) n-propylbenzene	12.66	91	156870	21.108	ug/l	99
79) 2-Chlorotoluene	12.76	91	87618	21.088	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	106644	21.131	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	10742	19.423	ug/l	97
82) 4-Chlorotoluene	12.85	91	92410	21.509	ug/l	99
83) tert-Butylbenzene	13.07	119	91168	21.114	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	105864	21.276	ug/l	99
85) sec-Butylbenzene	13.25	105	135377	21.221	ug/l	99
86) p-Isopropyltoluene	13.37	119	113447	20.980	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	52854	20.944	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	53432	21.070	ug/l	100
89) n-Butylbenzene	13.69	91	117619	21.144	ug/l	98
90) Hexachloroethane	13.96	117	23166	21.801	ug/l	92
91) 1,2-Dichlorobenzene	13.74	146	49320	20.801	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5321	20.838	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	30889	21.590	ug/l	95
94) Hexachlorobutadiene	15.10	225	13358	19.446	ug/l	90
95) Naphthalene	15.23	128	84074	20.700	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	27674	20.268	ug/l	98

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

