

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091119\
 Data File : VX012337.D
 Acq On : 12 Sep 2019 08:22
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:55 AM

Quant Time: Sep 12 08:52:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	115319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	213700	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	199459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101350	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	86801	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	5.48	113	67253	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.71	98	252220	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.13	95	107383	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	42232	44.793	ug/l	98
3) Chloromethane	1.31	50	45505	53.544	ug/l	100
4) Vinyl Chloride	1.40	62	41804	49.609	ug/l	98
5) Bromomethane	1.62	94	21836	65.359	ug/l	96
6) Chloroethane	1.71	64	29882	53.032	ug/l	97
7) Trichlorofluoromethane	1.92	101	72762	47.711	ug/l	100
8) Diethyl Ether	2.17	74	28783	55.310	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	50872	49.494	ug/l	100
10) Methyl Iodide	2.50	142	34269	35.030	ug/l	98
11) Tert butyl alcohol	3.03	59	47808	277.157	ug/l	98
12) 1,1-Dichloroethene	2.36	96	44660	51.180	ug/l	94
13) Acrolein	2.28	56	8815	103.429	ug/l	100
14) Allyl chloride	2.72	41	88575	49.787	ug/l	99
15) Acrylonitrile	3.13	53	94700	294.387	ug/l	98
16) Acetone	2.43	43	83629	216.678	ug/l	99
17) Carbon Disulfide	2.56	76	87022	47.490	ug/l	99
18) Methyl Acetate	2.76	43	61912	76.318	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	191086	55.451	ug/l	99
20) Methylene Chloride	2.84	84	66885	55.854	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	54372	52.226	ug/l	97
22) Diisopropyl ether	3.84	45	222524	54.692	ug/l	98
23) Vinyl Acetate	3.80	43	592850	237.491	ug/l	99
24) 1,1-Dichloroethane	3.69	63	117740	54.025	ug/l	99
25) 2-Butanone	4.66	43	127854	259.131	ug/l	98
26) 2,2-Dichloropropane	4.57	77	74545	36.433	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	72756	54.130	ug/l	94
28) Bromochloromethane	5.00	49	54467	53.288	ug/l	100
29) Tetrahydrofuran	5.11	42	80502	302.403	ug/l	100
30) Chloroform	5.20	83	132473	53.904	ug/l	98
31) Cyclohexane	5.56	56	71270	47.078	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	107483	50.935	ug/l	99
36) 1,1-Dichloropropene	5.78	75	76140	48.863	ug/l	99
37) Ethyl Acetate	4.82	43	53618	55.664	ug/l	100
38) Carbon Tetrachloride	5.77	117	86965	47.568	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	77880	45.543	ug/l	96
40) Benzene	6.13	78	242514	51.423	ug/l	97
41) Methacrylonitrile	5.03	41	33878	57.051	ug/l	97
42) 1,2-Dichloroethane	6.18	62	98857	53.036	ug/l	100
43) Isopropyl Acetate	6.43	43	105849	52.122	ug/l	99
44) Trichloroethene	7.20	130	66413	52.035	ug/l	96
45) 1,2-Dichloropropane	7.51	63	68957	52.824	ug/l	100
46) Dibromomethane	7.65	93	39364	55.174	ug/l	97
47) Bromodichloromethane	7.89	83	101399	52.080	ug/l	99
48) Methyl methacrylate	7.76	41	53043	54.568	ug/l	99
49) 1,4-Dioxane	7.73	88	15972	1217.673	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	298440	278.445	ug/l	100
52) Toluene	8.78	92	162320	52.108	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	91148	46.904	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	101210	46.968	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	61019	55.205	ug/l	98
56) Ethyl methacrylate	9.17	69	81363	54.366	ug/l	99
57) 1,3-Dichloropropane	9.37	76	103199	54.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	198014	258.153	ug/l	99
59) 2-Hexanone	9.48	43	207618	278.593	ug/l	100
60) Dibromochloromethane	9.57	129	69454	53.825	ug/l	97
61) 1,2-Dibromoethane	9.67	107	55615	54.053	ug/l	99
64) Tetrachloroethene	9.33	164	69318	65.712	ug/l	99
65) Chlorobenzene	10.14	112	186771	51.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	73237	53.308	ug/l	99
67) Ethyl Benzene	10.25	91	327251	50.486	ug/l	97
68) m/p-Xylenes	10.36	106	246362	103.249	ug/l	100
69) o-Xylene	10.70	106	120927	51.735	ug/l	100
70) Styrene	10.71	104	218793	52.779	ug/l	99
71) Bromoform	10.85	173	38149	53.549	ug/l #	99
73) Isopropylbenzene	11.01	105	323715	48.517	ug/l	100
74) N-amyl acetate	10.89	43	85789	43.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	75467	52.665	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	66177m	50.828	ug/l	
77) Bromobenzene	11.25	156	81078	52.780	ug/l	97
78) n-propylbenzene	11.35	91	394332	48.941	ug/l	100
79) 2-Chlorotoluene	11.42	91	248159	49.712	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	301222	50.202	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17005	39.133	ug/l	93
82) 4-Chlorotoluene	11.51	91	298768	49.801	ug/l	99
83) tert-Butylbenzene	11.76	119	278595	47.817	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	312570	50.392	ug/l	99
85) sec-Butylbenzene	11.94	105	337201	48.506	ug/l	99
86) p-Isopropyltoluene	12.06	119	303135	47.193	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	160045	51.145	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	163505	51.673	ug/l	98
89) n-Butylbenzene	12.39	91	304368	48.345	ug/l	99
90) Hexachloroethane	12.59	117	58224	49.212	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	151524	52.345	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15129	51.725	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	106663	53.357	ug/l	99
94) Hexachlorobutadiene	13.78	225	52037	52.325	ug/l	98
95) Naphthalene	13.83	128	245023	57.115	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	97654	55.211	ug/l	100

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

