

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014009.D
 Acq On : 13 Nov 2019 16:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:50:16 AM

Quant Time: Nov 14 06:57:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	177102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	117645	57.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.46%	
35) Dibromofluoromethane	7.88	113	113371	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.32	98	465317	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	162340	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	69219	47.945	ug/l	98
3) Chloromethane	2.21	50	64490	41.564	ug/l	97
4) Vinyl Chloride	2.36	62	116524	49.729	ug/l	98
5) Bromomethane	2.76	94	70844	45.971	ug/l	99
6) Chloroethane	2.92	64	69761	49.202	ug/l	99
7) Trichlorofluoromethane	3.25	101	55627	38.007	ug/l	96
8) Diethyl Ether	3.68	74	66603	56.326	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122721	51.578	ug/l	97
10) Methyl Iodide	4.28	142	194876	50.262	ug/l	100
11) Tert butyl alcohol	5.17	59	51949	423.301	ug/l	97
12) 1,1-Dichloroethene	4.04	96	129235	52.583	ug/l	99
13) Acrolein	3.89	56	37573	267.233	ug/l	97
14) Allyl chloride	4.66	41	167498	44.322	ug/l	98
15) Acrylonitrile	5.36	53	168706	350.877	ug/l	98
16) Acetone	4.12	43	148827	341.438	ug/l	98
17) Carbon Disulfide	4.39	76	343504	48.667	ug/l	99
18) Methyl Acetate	4.66	43	86529	72.418	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	174690	59.231	ug/l	97
20) Methylene Chloride	4.92	84	134002	56.493	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	132743	50.182	ug/l	96
22) Diisopropyl ether	6.31	45	369011	53.530	ug/l	99
23) Vinyl Acetate	6.25	43	1266331	316.589	ug/l	100
24) 1,1-Dichloroethane	6.21	63	225232	51.590	ug/l	99
25) 2-Butanone	7.17	43	240173	383.256	ug/l	96
26) 2,2-Dichloropropane	7.16	77	118474	46.928	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	143855	51.200	ug/l	100
28) Bromochloromethane	7.51	49	84971	54.503	ug/l #	99
29) Tetrahydrofuran	7.52	42	154182	397.407	ug/l	99
30) Chloroform	7.67	83	219776	50.923	ug/l	99
31) Cyclohexane	7.95	56	223524	48.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	174723	51.589	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184972	51.026	ug/l	98
37) Ethyl Acetate	7.25	43	100091	72.129	ug/l	99
38) Carbon Tetrachloride	8.07	117	167572	51.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	241494	51.586	ug/l	99
40) Benzene	8.32	78	520625	50.748	ug/l	99
41) Methacrylonitrile	7.48	41	55767	64.446	ug/l	96
42) 1,2-Dichloroethane	8.40	62	144633	55.947	ug/l	100
43) Isopropyl Acetate	8.42	43	187442	70.568	ug/l	96
44) Trichloroethene	9.09	130	149006	50.706	ug/l	97
45) 1,2-Dichloropropane	9.37	63	129426	52.818	ug/l	99
46) Dibromomethane	9.46	93	68464	57.565	ug/l	98
47) Bromodichloromethane	9.64	83	161212	52.387	ug/l	98
48) Methyl methacrylate	9.43	41	92719	70.391	ug/l	99
49) 1,4-Dioxane	9.45	88	27636	1572.490	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	500859	379.466	ug/l	99
52) Toluene	10.38	92	339175	51.255	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	178659	57.350	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	207133	53.892	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	103951	58.647	ug/l	99
56) Ethyl methacrylate	10.64	69	148444	66.938	ug/l	98
57) 1,3-Dichloropropane	10.93	76	175405	57.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	350076	343.001	ug/l	99
59) 2-Hexanone	10.96	43	355079	390.224	ug/l	98
60) Dibromochloromethane	11.13	129	119948	56.996	ug/l	99
61) 1,2-Dibromoethane	11.23	107	102172	60.929	ug/l	100
64) Tetrachloroethene	10.86	164	127220	49.531	ug/l	98
65) Chlorobenzene	11.65	112	358197	51.852	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	129255	53.613	ug/l	99
67) Ethyl Benzene	11.73	91	645659	51.834	ug/l	100
68) m/p-Xylenes	11.84	106	497774	103.432	ug/l	99
69) o-Xylene	12.16	106	231126	52.249	ug/l	99
70) Styrene	12.18	104	405375	53.337	ug/l	99
71) Bromoform	12.35	173	79494	62.831	ug/l	97
73) Isopropylbenzene	12.46	105	648190	50.965	ug/l	100
74) N-amyl acetate	12.27	43	172124	69.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	129137	64.343	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	99184m	77.985	ug/l	
77) Bromobenzene	12.74	156	158345	52.118	ug/l	96
78) n-propylbenzene	12.80	91	754530	51.257	ug/l	100
79) 2-Chlorotoluene	12.89	91	417028	50.411	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	548002	51.042	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44027	65.421	ug/l	99
82) 4-Chlorotoluene	12.99	91	435469	50.141	ug/l	99
83) tert-Butylbenzene	13.21	119	487054	51.107	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	540658	51.050	ug/l	100
85) sec-Butylbenzene	13.38	105	668875	51.326	ug/l	100
86) p-Isopropyltoluene	13.50	119	623030	51.323	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	301221	51.170	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296359	50.676	ug/l	99
89) n-Butylbenzene	13.82	91	565319	51.592	ug/l	100
90) Hexachloroethane	14.09	117	104856	49.694	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	272315	53.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21925	72.243	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	205198	55.241	ug/l	98
94) Hexachlorobutadiene	15.24	225	131431	52.412	ug/l	98
95) Naphthalene	15.36	128	416689	71.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	188042	58.749	ug/l	99

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

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