

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111219\
 Data File : VW013973.D
 Acq On : 12 Nov 2019 14:17
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:33:15 AM

Quant Time: Nov 13 06:50:35 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	232217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	79677	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	7.88	113	86861	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.32	98	363935	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	118833	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	59714	48.810	ug/l	97
3) Chloromethane	2.21	50	54225	41.242	ug/l	100
4) Vinyl Chloride	2.36	62	95112	47.901	ug/l	96
5) Bromomethane	2.78	94	60336	46.204	ug/l	99
6) Chloroethane	2.93	64	57233	47.636	ug/l	96
7) Trichlorofluoromethane	3.26	101	59999	48.378	ug/l	93
8) Diethyl Ether	3.68	74	42662	42.577	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98915	49.060	ug/l	97
10) Methyl Iodide	4.27	142	152619	46.453	ug/l	99
11) Tert butyl alcohol	5.15	59	26212	252.053	ug/l	99
12) 1,1-Dichloroethene	4.04	96	103129	49.518	ug/l	95
13) Acrolein	3.89	56	30456	255.628	ug/l	99
14) Allyl chloride	4.66	41	150013	46.844	ug/l	99
15) Acrylonitrile	5.36	53	87102	213.783	ug/l	97
16) Acetone	4.11	43	95487	258.520	ug/l	100
17) Carbon Disulfide	4.38	76	287115	48.004	ug/l	100
18) Methyl Acetate	4.66	43	44284	43.737	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	109831	43.947	ug/l	100
20) Methylene Chloride	4.91	84	97367	47.693	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	106232	47.392	ug/l	98
22) Diisopropyl ether	6.31	45	266151	45.562	ug/l	96
23) Vinyl Acetate	6.25	43	725625	214.082	ug/l	99
24) 1,1-Dichloroethane	6.21	63	172049	46.506	ug/l	100
25) 2-Butanone	7.16	43	121295	228.416	ug/l	97
26) 2,2-Dichloropropane	7.16	77	98318	45.959	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	107988	45.357	ug/l	97
28) Bromochloromethane	7.51	49	63582	48.285	ug/l #	99
29) Tetrahydrofuran	7.52	42	74573	226.831	ug/l	99
30) Chloroform	7.67	83	170627	46.656	ug/l	98
31) Cyclohexane	7.95	56	176508	45.590	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	138891	48.395	ug/l	100
36) 1,1-Dichloropropene	8.08	75	147452	49.192	ug/l	98
37) Ethyl Acetate	7.25	43	49654	43.274	ug/l	99
38) Carbon Tetrachloride	8.07	117	135318	50.131	ug/l	98

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39) Methylcyclohexane	9.33	83	192373	49.696	ug/l	98
40) Benzene	8.32	78	399147	47.053	ug/l	100
41) Methacrylonitrile	7.48	41	27747	38.778	ug/l	97
42) 1,2-Dichloroethane	8.40	62	94121	44.030	ug/l	99
43) Isopropyl Acetate	8.42	43	94850	43.185	ug/l	100
44) Trichloroethene	9.09	130	114819	47.252	ug/l	97
45) 1,2-Dichloropropane	9.37	63	93085	45.940	ug/l	98
46) Dibromomethane	9.46	93	43503	44.236	ug/l	96
47) Bromodichloromethane	9.64	83	116856	45.924	ug/l	99
48) Methyl methacrylate	9.43	41	47599	43.702	ug/l	99
49) 1,4-Dioxane	9.44	88	14812	1019.249	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	241660	221.419	ug/l	100
52) Toluene	10.38	92	258919	47.318	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	114761	44.551	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	144814	45.566	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	62596	42.709	ug/l	98
56) Ethyl methacrylate	10.65	69	80121	43.693	ug/l	98
57) 1,3-Dichloropropane	10.93	76	109185	43.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	183424	217.341	ug/l	99
59) 2-Hexanone	10.97	43	171988	228.582	ug/l	99
60) Dibromochloromethane	11.13	129	76028	43.690	ug/l	100
61) 1,2-Dibromoethane	11.23	107	59193	42.689	ug/l	98
64) Tetrachloroethene	10.86	164	101118	49.691	ug/l	99
65) Chlorobenzene	11.66	112	262652	47.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	89851	47.040	ug/l	99
67) Ethyl Benzene	11.73	91	484328	49.076	ug/l	99
68) m/p-Xylenes	11.83	106	375853	98.574	ug/l	99
69) o-Xylene	12.16	106	168541	48.090	ug/l	99
70) Styrene	12.18	104	289805	48.128	ug/l	99
71) Bromoform	12.35	173	45177	45.069	ug/l #	97
73) Isopropylbenzene	12.46	105	491445	51.908	ug/l	99
74) N-amyl acetate	12.27	43	88427	48.283	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	69561	46.560	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	53885m	56.915	ug/l	
77) Bromobenzene	12.74	156	108550	47.996	ug/l	98
78) n-propylbenzene	12.80	91	566850	51.729	ug/l	100
79) 2-Chlorotoluene	12.89	91	309445	50.250	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	403483	50.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22771	45.454	ug/l	99
82) 4-Chlorotoluene	12.99	91	320403	49.560	ug/l	98
83) tert-Butylbenzene	13.21	119	360531	50.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	399611	50.688	ug/l	98
85) sec-Butylbenzene	13.38	105	501708	51.717	ug/l	99
86) p-Isopropyltoluene	13.50	119	464073	51.355	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	211838	48.343	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	208921	47.991	ug/l	100
89) n-Butylbenzene	13.82	91	417917	51.236	ug/l	100
90) Hexachloroethane	14.09	117	78903	50.234	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	183444	48.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10714	47.424	ug/l	94

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93) 1,2,4-Trichlorobenzene	15.13	180	126978	45.921	ug/l	100
94) Hexachlorobutadiene	15.24	225	90629	48.550	ug/l	100
95) Naphthalene	15.36	128	190099	43.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	105518	44.286	ug/l	98

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

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