

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011994.D
 Acq On : 19 Aug 2019 16:23
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:56:12 AM

Quant Time: Aug 19 16:49:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134923	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	7.88	113	114556	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.32	98	467645	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	165572	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72188	51.011	ug/l	99
3) Chloromethane	2.21	50	124077	50.564	ug/l	100
4) Vinyl Chloride	2.36	62	160944	54.478	ug/l	99
5) Bromomethane	2.77	94	83951	51.339	ug/l	97
6) Chloroethane	2.92	64	93502	55.407	ug/l	98
7) Trichlorofluoromethane	3.25	101	81192	61.495	ug/l	94
8) Diethyl Ether	3.68	74	80335	53.665	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142140	56.752	ug/l	99
10) Methyl Iodide	4.27	142	202615	57.245	ug/l	98
11) Tert butyl alcohol	5.17	59	55979	260.930	ug/l	99
12) 1,1-Dichloroethene	4.04	96	148192	56.039	ug/l	99
13) Acrolein	3.89	56	40910	195.544	ug/l	97
14) Allyl chloride	4.67	41	314631	55.939	ug/l	99
15) Acrylonitrile	5.36	53	204235	273.305	ug/l	99
16) Acetone	4.12	43	221579	238.904	ug/l	100
17) Carbon Disulfide	4.39	76	430101	51.965	ug/l	99
18) Methyl Acetate	4.67	43	105982	50.866	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	235858	56.204	ug/l	97
20) Methylene Chloride	4.92	84	162303	50.740	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	159228	55.849	ug/l	94
22) Diisopropyl ether	6.31	45	595695	56.175	ug/l	98
23) Vinyl Acetate	6.25	43	1841955	276.434	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318209	56.029	ug/l	100
25) 2-Butanone	7.17	43	305544	251.759	ug/l	98
26) 2,2-Dichloropropane	7.17	77	179662	51.439	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	175833	56.037	ug/l	98
28) Bromochloromethane	7.51	49	136872	54.296	ug/l	97
29) Tetrahydrofuran	7.53	42	187282	269.966	ug/l	98
30) Chloroform	7.68	83	288976	55.153	ug/l	99
31) Cyclohexane	7.96	56	296558	54.398	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	232208	58.193	ug/l	98
36) 1,1-Dichloropropene	8.08	75	244541	58.210	ug/l	100
37) Ethyl Acetate	7.25	43	130785	54.111	ug/l	99
38) Carbon Tetrachloride	8.07	117	211680	58.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	277808	60.056	ug/l	99
40) Benzene	8.32	78	673571	57.241	ug/l	99
41) Methacrylonitrile	7.48	41	78300	54.195	ug/l	97
42) 1,2-Dichloroethane	8.40	62	205414	55.756	ug/l	99
43) Isopropyl Acetate	8.42	43	251626	56.609	ug/l	100
44) Trichloroethene	9.09	130	166300	58.800	ug/l	99
45) 1,2-Dichloropropane	9.37	63	182373	57.923	ug/l	99
46) Dibromomethane	9.46	93	80841	56.255	ug/l	98
47) Bromodichloromethane	9.65	83	216676	57.480	ug/l	98
48) Methyl methacrylate	9.43	41	121181	56.754	ug/l	99
49) 1,4-Dioxane	9.45	88	25765	1238.248	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	647000	279.838	ug/l	99
52) Toluene	10.39	92	415655	58.491	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	229088	58.178	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	274094	58.543	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	117388	57.572	ug/l	98
56) Ethyl methacrylate	10.65	69	178119	59.698	ug/l	98
57) 1,3-Dichloropropane	10.93	76	222034	57.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	444157	327.864	ug/l	99
59) 2-Hexanone	10.97	43	468018	286.695	ug/l	98
60) Dibromochloromethane	11.13	129	131017	57.888	ug/l	100
61) 1,2-Dibromoethane	11.24	107	110438	57.235	ug/l	100
64) Tetrachloroethene	10.86	164	135619	59.065	ug/l	98
65) Chlorobenzene	11.66	112	413936	58.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	146273	59.230	ug/l	100
67) Ethyl Benzene	11.73	91	804587	59.586	ug/l	99
68) m/p-Xylenes	11.84	106	583648	118.854	ug/l	99
69) o-Xylene	12.16	106	274406	60.134	ug/l	99
70) Styrene	12.18	104	473650	60.033	ug/l	99
71) Bromoform	12.35	173	74697	59.324	ug/l #	98
73) Isopropylbenzene	12.46	105	769028	60.533	ug/l	100
74) N-amyl acetate	12.27	43	242580	60.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	136609	57.167	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	97466m	54.091	ug/l	
77) Bromobenzene	12.74	156	164962	58.747	ug/l	99
78) n-propylbenzene	12.80	91	936138	60.548	ug/l	99
79) 2-Chlorotoluene	12.89	91	528512	59.335	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	647291	60.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47456	60.697	ug/l	99
82) 4-Chlorotoluene	12.99	91	540261	57.810	ug/l	99
83) tert-Butylbenzene	13.21	119	555418	62.368	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	646479	60.263	ug/l	100
85) sec-Butylbenzene	13.38	105	785547	61.820	ug/l	100
86) p-Isopropyltoluene	13.50	119	712121	61.767	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	324842	58.999	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	320525	58.521	ug/l	99
89) n-Butylbenzene	13.82	91	715397	62.179	ug/l	100
90) Hexachloroethane	14.09	117	124558	61.097	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	286956	58.927	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23359	57.323	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	206391	60.137	ug/l	99
94) Hexachlorobutadiene	15.24	225	133706	62.471	ug/l	98
95) Naphthalene	15.36	128	378995	56.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	180756	60.084	ug/l	99

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

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