

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011390.D
 Acq On : 19 Jul 2019 22:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:41 AM

Quant Time: Jul 20 06:35:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126935	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	101549	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
35) Dibromofluoromethane	7.88	113	81903	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.32	98	324304	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.62	95	119787	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52611	41.089	ug/l	93
3) Chloromethane	2.21	50	84735	51.357	ug/l	95
4) Vinyl Chloride	2.36	62	94626	43.819	ug/l	99
5) Bromomethane	2.77	94	51321	47.295	ug/l	93
6) Chloroethane	2.92	64	55886	48.047	ug/l	99
7) Trichlorofluoromethane	3.25	101	39340	51.280	ug/l	96
8) Diethyl Ether	3.68	74	52638	49.589	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	86298	46.963	ug/l	100
10) Methyl Iodide	4.27	142	125743	49.753	ug/l	99
11) Tert butyl alcohol	5.17	59	41329	258.763	ug/l	99
12) 1,1-Dichloroethene	4.04	96	90528	47.465	ug/l	99
13) Acrolein	3.89	56	43748	343.980	ug/l	100
14) Allyl chloride	4.67	41	185493	53.334	ug/l	97
15) Acrylonitrile	5.36	53	140973	260.771	ug/l	100
16) Acetone	4.12	43	140983	271.610	ug/l	98
17) Carbon Disulfide	4.39	76	272595	47.144	ug/l	100
18) Methyl Acetate	4.67	43	70828	47.925	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	150836	52.122	ug/l	99
20) Methylene Chloride	4.92	84	109827	53.635	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	97137	49.015	ug/l	97
22) Diisopropyl ether	6.31	45	383962	51.329	ug/l	99
23) Vinyl Acetate	6.25	43	1229301	265.543	ug/l	100
24) 1,1-Dichloroethane	6.21	63	198444	50.520	ug/l	98
25) 2-Butanone	7.17	43	211647	259.755	ug/l	100
26) 2,2-Dichloropropane	7.17	77	102453	50.177	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	107587	50.326	ug/l	98
28) Bromochloromethane	7.51	49	83877	46.961	ug/l	100
29) Tetrahydrofuran	7.52	42	134242	251.263	ug/l	100
30) Chloroform	7.67	83	182855	50.266	ug/l	97
31) Cyclohexane	7.95	56	187298	44.820	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	137155	49.564	ug/l	99
36) 1,1-Dichloropropene	8.08	75	145153	47.550	ug/l	99
37) Ethyl Acetate	7.25	43	90879	49.549	ug/l	99
38) Carbon Tetrachloride	8.07	117	123701	47.802	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169715	45.869	ug/l	99
40) Benzene	8.32	78	416859	49.412	ug/l	100
41) Methacrylonitrile	7.48	41	49272	46.971	ug/l	99
42) 1,2-Dichloroethane	8.40	62	133851	48.910	ug/l	100
43) Isopropyl Acetate	8.42	43	169268	48.882	ug/l	99
44) Trichloroethene	9.09	130	99388	48.956	ug/l	100
45) 1,2-Dichloropropane	9.37	63	114506	50.122	ug/l	97
46) Dibromomethane	9.46	93	52839	49.237	ug/l	99
47) Bromodichloromethane	9.65	83	138088	50.290	ug/l	99
48) Methyl methacrylate	9.43	41	82206	49.345	ug/l	96
49) 1,4-Dioxane	9.45	88	18657	1041.540	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	451485	249.596	ug/l	100
52) Toluene	10.38	92	254859	49.801	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	141570	48.437	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	166202	48.311	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	76011	49.927	ug/l	97
56) Ethyl methacrylate	10.65	69	114705	49.487	ug/l	98
57) 1,3-Dichloropropane	10.93	76	143937	49.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	253868	236.250	ug/l	99
59) 2-Hexanone	10.97	43	309911	247.049	ug/l	99
60) Dibromochloromethane	11.13	129	84413	50.563	ug/l	99
61) 1,2-Dibromoethane	11.23	107	72271	50.115	ug/l	99
64) Tetrachloroethene	10.86	164	83475	48.351	ug/l	98
65) Chlorobenzene	11.66	112	256483	49.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91488	49.951	ug/l	99
67) Ethyl Benzene	11.73	91	487892	48.995	ug/l	99
68) m/p-Xylenes	11.84	106	355697	98.716	ug/l	99
69) o-Xylene	12.16	106	167315	49.267	ug/l	100
70) Styrene	12.18	104	295572	50.430	ug/l	100
71) Bromoform	12.35	173	47369	48.643	ug/l #	99
73) Isopropylbenzene	12.46	105	462063	48.695	ug/l	100
74) N-amyl acetate	12.27	43	156260	47.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93351	47.993	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63742m	43.454	ug/l	
77) Bromobenzene	12.74	156	103922	48.802	ug/l	99
78) n-propylbenzene	12.80	91	569493	48.721	ug/l	100
79) 2-Chlorotoluene	12.89	91	324648	48.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	394518	48.940	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26278	40.518	ug/l	99
82) 4-Chlorotoluene	12.99	91	344618	49.189	ug/l	100
83) tert-Butylbenzene	13.21	119	327864	48.767	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	396267	48.955	ug/l	99
85) sec-Butylbenzene	13.38	105	467826	48.224	ug/l	100
86) p-Isopropyltoluene	13.50	119	424852	48.828	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204152	49.828	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	201320	48.797	ug/l	99
89) n-Butylbenzene	13.82	91	421781	48.593	ug/l	99
90) Hexachloroethane	14.09	117	75453	47.455	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	181610	48.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16293	47.224	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	131939	51.536	ug/l	98
94) Hexachlorobutadiene	15.24	225	77471	49.289	ug/l	100
95) Naphthalene	15.37	128	253909	51.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	117248	51.892	ug/l	99

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

