

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102819\
 Data File : VW013781.D
 Acq On : 28 Oct 2019 21:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2019 2:04:59 PM

Quant Time: Oct 29 12:14:46 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	295453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134740	60.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.58%	
35) Dibromofluoromethane	7.88	113	137361	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
50) Toluene-d8	10.32	98	539620	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	187922	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	59650	38.322	ug/l	100
3) Chloromethane	2.21	50	70236	41.987	ug/l	97
4) Vinyl Chloride	2.36	62	109604	43.385	ug/l	99
5) Bromomethane	2.77	94	78958	47.523	ug/l	98
6) Chloroethane	2.92	64	71830	46.989	ug/l	98
7) Trichlorofluoromethane	3.25	101	54922	34.806	ug/l	100
8) Diethyl Ether	3.68	74	73678	57.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114784	44.746	ug/l	98
10) Methyl Iodide	4.27	142	212263	50.779	ug/l	99
11) Tert butyl alcohol	5.16	59	43338	327.542	ug/l	99
12) 1,1-Dichloroethene	4.04	96	125028	47.184	ug/l	97
13) Acrolein	3.89	56	60469	398.908	ug/l	99
14) Allyl chloride	4.67	41	201163	49.372	ug/l	99
15) Acrylonitrile	5.36	53	159927	308.512	ug/l	98
16) Acetone	4.11	43	132705	282.386	ug/l	95
17) Carbon Disulfide	4.39	76	345178	45.359	ug/l	97
18) Methyl Acetate	4.66	43	80721	62.661	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	180217	56.676	ug/l	99
20) Methylene Chloride	4.92	84	149012	58.432	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	142618	50.007	ug/l	98
22) Diisopropyl ether	6.31	45	420962	56.640	ug/l	99
23) Vinyl Acetate	6.25	43	1234449	286.251	ug/l	99
24) 1,1-Dichloroethane	6.21	63	245927	52.247	ug/l	99
25) 2-Butanone	7.17	43	205115	303.590	ug/l	94
26) 2,2-Dichloropropane	7.17	77	121800	44.749	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	160940	53.130	ug/l	100
28) Bromochloromethane	7.51	49	98508	58.506	ug/l	97
29) Tetrahydrofuran	7.53	42	134325	321.132	ug/l	100
30) Chloroform	7.67	83	246463	52.968	ug/l	98
31) Cyclohexane	7.95	56	209946	42.621	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	181951	49.830	ug/l	99
36) 1,1-Dichloropropene	8.09	75	188764	45.144	ug/l	99
37) Ethyl Acetate	7.25	43	88114	55.049	ug/l	98
38) Carbon Tetrachloride	8.07	117	169663	45.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	234403	43.409	ug/l	99
40) Benzene	8.32	78	578194	48.861	ug/l	99
41) Methacrylonitrile	7.48	41	49125	49.217	ug/l	95
42) 1,2-Dichloroethane	8.40	62	161279	54.085	ug/l	99
43) Isopropyl Acetate	8.42	43	174092	56.821	ug/l	97
44) Trichloroethene	9.09	130	161328	47.594	ug/l	99
45) 1,2-Dichloropropane	9.37	63	144971	51.290	ug/l	98
46) Dibromomethane	9.46	93	74045	53.974	ug/l	99
47) Bromodichloromethane	9.64	83	188539	53.116	ug/l	98
48) Methyl methacrylate	9.43	41	80169	52.765	ug/l	91
49) 1,4-Dioxane	9.45	88	25878	1276.546	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	440101	289.070	ug/l	99
52) Toluene	10.38	92	375039	49.134	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192617	53.604	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	229076	51.671	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109675	53.643	ug/l	98
56) Ethyl methacrylate	10.65	69	146947	57.447	ug/l	98
57) 1,3-Dichloropropane	10.93	76	189025	53.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	325790	276.734	ug/l	99
59) 2-Hexanone	10.97	43	301431	287.190	ug/l	98
60) Dibromochloromethane	11.13	129	133383	54.947	ug/l	99
61) 1,2-Dibromoethane	11.24	107	106255	54.933	ug/l	99
64) Tetrachloroethene	10.86	164	145220	47.556	ug/l	99
65) Chlorobenzene	11.66	112	402060	48.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	145859	50.888	ug/l	99
67) Ethyl Benzene	11.73	91	705297	47.625	ug/l	98
68) m/p-Xylenes	11.84	106	545108	95.272	ug/l	100
69) o-Xylene	12.16	106	256725	48.815	ug/l	100
70) Styrene	12.18	104	455675	50.429	ug/l	99
71) Bromoform	12.35	173	80540	53.544	ug/l #	100
73) Isopropylbenzene	12.46	105	691951	46.122	ug/l	100
74) N-amyl acetate	12.27	43	154937	53.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121761	51.431	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	97592m	65.049	ug/l	
77) Bromobenzene	12.74	156	177881	49.633	ug/l	99
78) n-propylbenzene	12.80	91	808571	46.564	ug/l	99
79) 2-Chlorotoluene	12.89	91	463124	47.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	600544	47.419	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40250	50.702	ug/l	99
82) 4-Chlorotoluene	12.99	91	486429	47.481	ug/l	98
83) tert-Butylbenzene	13.21	119	523200	46.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	607747	48.647	ug/l	98
85) sec-Butylbenzene	13.38	105	702826	45.719	ug/l	100
86) p-Isopropyltoluene	13.50	119	665570	46.479	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	333667	48.051	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	331914	48.114	ug/l	100
89) n-Butylbenzene	13.82	91	584666	45.233	ug/l	100
90) Hexachloroethane	14.09	117	115713	46.489	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	302122	50.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19392	54.167	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	213456	48.715	ug/l	98
94) Hexachlorobutadiene	15.24	225	132416	44.764	ug/l	98
95) Naphthalene	15.36	128	362071	52.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	186235	49.325	ug/l	99

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

