

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102819\
 Data File : VW013759.D
 Acq On : 28 Oct 2019 11:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/29/2019 2:04:41 PM

Quant Time: Oct 29 10:59:53 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	348244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	487710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129285	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.88	113	138546	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.32	98	579670	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.62	95	189077	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	78451	42.761	ug/l	100
3) Chloromethane	2.21	50	91667	46.491	ug/l	99
4) Vinyl Chloride	2.37	62	143444	48.173	ug/l	100
5) Bromomethane	2.78	94	92964	47.471	ug/l	99
6) Chloroethane	2.93	64	86376	47.939	ug/l	100
7) Trichlorofluoromethane	3.26	101	96850	52.073	ug/l	98
8) Diethyl Ether	3.68	74	68930	45.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	142155	47.016	ug/l	99
10) Methyl Iodide	4.28	142	236458	47.992	ug/l	99
11) Tert butyl alcohol	5.20	59	34221	219.430	ug/l	98
12) 1,1-Dichloroethene	4.04	96	152148	48.715	ug/l	97
13) Acrolein	3.90	56	56124	314.119	ug/l	99
14) Allyl chloride	4.67	41	236046	49.151	ug/l	100
15) Acrylonitrile	5.37	53	136033	222.638	ug/l	100
16) Acetone	4.14	43	146983	265.355	ug/l	96
17) Carbon Disulfide	4.39	76	439848	49.038	ug/l	100
18) Methyl Acetate	4.67	43	65434	43.094	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	183847	49.053	ug/l	97
20) Methylene Chloride	4.92	84	150004	49.139	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	163758	48.715	ug/l	94
22) Diisopropyl ether	6.31	45	425958	48.624	ug/l	99
23) Vinyl Acetate	6.25	43	1211755	238.393	ug/l	100
24) 1,1-Dichloroethane	6.21	63	266599	48.053	ug/l	98
25) 2-Butanone	7.17	43	183248	230.109	ug/l	97
26) 2,2-Dichloropropane	7.17	77	157483	49.088	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	171169	47.941	ug/l	98
28) Bromochloromethane	7.51	49	100815	50.976	ug/l #	100
29) Tetrahydrofuran	7.53	42	110295	223.711	ug/l	99
30) Chloroform	7.68	83	261598	47.698	ug/l	100
31) Cyclohexane	7.95	56	270453	46.581	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	214029	49.729	ug/l	99
36) 1,1-Dichloropropene	8.08	75	225516	49.650	ug/l	99
37) Ethyl Acetate	7.25	43	76736	44.134	ug/l	99
38) Carbon Tetrachloride	8.07	117	205514	50.246	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	294064	50.133	ug/l	100
40) Benzene	8.32	78	628232	48.874	ug/l	98
41) Methacrylonitrile	7.48	41	50587	46.657	ug/l	97
42) 1,2-Dichloroethane	8.40	62	155660	48.055	ug/l	98
43) Isopropyl Acetate	8.42	43	153722	46.189	ug/l	100
44) Trichloroethene	9.09	130	184061	49.989	ug/l	94
45) 1,2-Dichloropropane	9.37	63	148644	48.414	ug/l	99
46) Dibromomethane	9.46	93	69453	46.607	ug/l	99
47) Bromodichloromethane	9.65	83	189239	49.079	ug/l	99
48) Methyl methacrylate	9.43	41	72332	43.827	ug/l	93
49) 1,4-Dioxane	9.47	88	20092	912.421	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	372467	225.219	ug/l	100
52) Toluene	10.38	92	407089	49.097	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192997	49.444	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	239794	49.793	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	102995	46.376	ug/l	99
56) Ethyl methacrylate	10.65	69	133093	47.899	ug/l	99
57) 1,3-Dichloropropane	10.93	76	181473	47.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	329485	257.648	ug/l	99
59) 2-Hexanone	10.97	43	271094	237.776	ug/l	99
60) Dibromochloromethane	11.13	129	128133	48.593	ug/l	99
61) 1,2-Dibromoethane	11.23	107	97313	46.315	ug/l	99
64) Tetrachloroethene	10.86	164	157390	49.562	ug/l	98
65) Chlorobenzene	11.66	112	421496	49.349	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	148787	49.915	ug/l	99
67) Ethyl Benzene	11.73	91	773834	50.246	ug/l	100
68) m/p-Xylenes	11.84	106	593124	99.681	ug/l	99
69) o-Xylene	12.16	106	273684	50.040	ug/l	99
70) Styrene	12.18	104	468103	49.814	ug/l	99
71) Bromoform	12.35	173	75072	47.991	ug/l #	98
73) Isopropylbenzene	12.46	105	769480	49.988	ug/l	99
74) N-amyl acetate	12.27	43	140407	47.153	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	110062	45.310	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	87182m	56.636	ug/l	
77) Bromobenzene	12.74	156	176068	47.881	ug/l	98
78) n-propylbenzene	12.80	91	891402	50.032	ug/l	100
79) 2-Chlorotoluene	12.89	91	492207	49.160	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	646075	49.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37887	46.515	ug/l	100
82) 4-Chlorotoluene	12.99	91	516304	49.119	ug/l	99
83) tert-Butylbenzene	13.21	119	572680	49.650	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	635125	49.549	ug/l	99
85) sec-Butylbenzene	13.38	105	788843	50.013	ug/l	100
86) p-Isopropyltoluene	13.50	119	740053	50.369	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	345039	48.429	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	341596	48.261	ug/l	100
89) n-Butylbenzene	13.82	91	671945	50.667	ug/l	100
90) Hexachloroethane	14.09	117	127280	49.839	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	291843	47.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16434	44.740	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	221983	49.376	ug/l	100
94) Hexachlorobutadiene	15.24	225	147574	48.623	ug/l	100
95) Naphthalene	15.36	128	339111	48.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	189263	48.856	ug/l	99

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

