

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013009.D
 Acq On : 14 Sep 2019 22:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:41 AM

Quant Time: Sep 16 07:56:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123828	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	103347	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.32	98	419281	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.62	95	147585	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	50944	53.467	ug/l	82
3) Chloromethane	2.21	50	69853	58.833	ug/l	95
4) Vinyl Chloride	2.36	62	92949	51.863	ug/l	100
5) Bromomethane	2.77	94	57241	52.300	ug/l	92
6) Chloroethane	2.92	64	60242	54.806	ug/l	98
7) Trichlorofluoromethane	3.25	101	58258	46.485	ug/l	98
8) Diethyl Ether	3.68	74	54524	55.717	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100643	52.947	ug/l	97
10) Methyl Iodide	4.27	142	131956	55.471	ug/l	99
11) Tert butyl alcohol	5.18	59	47255	307.656	ug/l	99
12) 1,1-Dichloroethene	4.04	96	92674	53.621	ug/l	96
13) Acrolein	3.89	56	54642	322.558	ug/l	98
14) Allyl chloride	4.67	41	180328	54.960	ug/l	98
15) Acrylonitrile	5.36	53	151391	302.896	ug/l	100
16) Acetone	4.12	43	136020	272.859	ug/l	99
17) Carbon Disulfide	4.38	76	175748	51.027	ug/l	100
18) Methyl Acetate	4.67	43	88697	67.323	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	202772	59.436	ug/l	96
20) Methylene Chloride	4.91	84	110724	60.339	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	98818	53.384	ug/l	97
22) Diisopropyl ether	6.31	45	389680	57.169	ug/l	99
23) Vinyl Acetate	6.25	43	1145592	280.609	ug/l	99
24) 1,1-Dichloroethane	6.21	63	212852	54.160	ug/l	99
25) 2-Butanone	7.16	43	209128	284.403	ug/l	99
26) 2,2-Dichloropropane	7.16	77	127069	51.037	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	122442	55.250	ug/l	97
28) Bromochloromethane	7.51	49	94747	57.279	ug/l #	99
29) Tetrahydrofuran	7.53	42	131512	313.892	ug/l	99
30) Chloroform	7.67	83	215620	53.997	ug/l	96
31) Cyclohexane	7.95	56	161730	55.269	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177375	53.938	ug/l	97
36) 1,1-Dichloropropene	8.08	75	153339	51.457	ug/l	99
37) Ethyl Acetate	7.25	43	90740	57.368	ug/l	99
38) Carbon Tetrachloride	8.07	117	156818	51.352	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	166546	51.004	ug/l	99
40) Benzene	8.32	78	438273	52.683	ug/l	99
41) Methacrylonitrile	7.48	41	58455	56.119	ug/l	98
42) 1,2-Dichloroethane	8.40	62	147140	52.763	ug/l	98
43) Isopropyl Acetate	8.42	43	174595	57.490	ug/l	100
44) Trichloroethene	9.09	130	119003	52.225	ug/l	92
45) 1,2-Dichloropropane	9.37	63	119197	53.930	ug/l	98
46) Dibromomethane	9.46	93	59583	56.268	ug/l	97
47) Bromodichloromethane	9.64	83	159969	53.857	ug/l	98
48) Methyl methacrylate	9.43	41	83925	58.883	ug/l	98
49) 1,4-Dioxane	9.46	88	20450	1152.532	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	471797	300.908	ug/l	99
52) Toluene	10.38	92	283526	53.635	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	161905	54.199	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	182903	53.512	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	91010	56.417	ug/l	99
56) Ethyl methacrylate	10.65	69	129958	59.851	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161071	56.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	322652	277.008	ug/l	100
59) 2-Hexanone	10.97	43	323514	296.325	ug/l	100
60) Dibromochloromethane	11.13	129	107093	54.911	ug/l	97
61) 1,2-Dibromoethane	11.23	107	83682	56.866	ug/l	100
64) Tetrachloroethene	10.86	164	109868	57.096	ug/l	99
65) Chlorobenzene	11.66	112	306597	53.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	117187	53.076	ug/l	99
67) Ethyl Benzene	11.73	91	569362	53.507	ug/l	99
68) m/p-Xylenes	11.84	106	421937	108.544	ug/l	99
69) o-Xylene	12.16	106	198378	54.434	ug/l	98
70) Styrene	12.18	104	352921	54.439	ug/l	100
71) Bromoform	12.35	173	66803	57.601	ug/l #	99
73) Isopropylbenzene	12.46	105	572826	53.236	ug/l	100
74) N-amyl acetate	12.27	43	159990	57.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	109479	57.929	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	87336m	61.420	ug/l	
77) Bromobenzene	12.74	156	135177	54.531	ug/l	99
78) n-propylbenzene	12.80	91	681560	53.847	ug/l	100
79) 2-Chlorotoluene	12.89	91	389182	53.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	487122	53.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34311	54.737	ug/l	99
82) 4-Chlorotoluene	12.99	91	405867	52.867	ug/l	99
83) tert-Butylbenzene	13.21	119	435637	53.502	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	482686	53.659	ug/l	99
85) sec-Butylbenzene	13.38	105	592175	53.380	ug/l	99
86) p-Isopropyltoluene	13.50	119	547678	53.772	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	261049	53.197	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	255562	52.996	ug/l	99
89) n-Butylbenzene	13.82	91	511766	53.279	ug/l	99
90) Hexachloroethane	14.09	117	97625	53.486	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	233545	54.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20278	58.618	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	170806	55.500	ug/l	100
94) Hexachlorobutadiene	15.24	225	113360	52.031	ug/l	99
95) Naphthalene	15.36	128	322003	62.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	154680	56.857	ug/l	100

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

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