

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092419\
 Data File : VW013267.D
 Acq On : 24 Sep 2019 10:57
 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
 9/26/2019 12:37:34 AM

Quant Time: Sep 25 07:25:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	379014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	551901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	476884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	240342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149072	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	7.88	113	152236	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	635059	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	217677	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	98334	44.978	ug/l	97
3) Chloromethane	2.21	50	129602	46.115	ug/l	98
4) Vinyl Chloride	2.36	62	179722	49.603	ug/l	100
5) Bromomethane	2.78	94	112614	49.046	ug/l	94
6) Chloroethane	2.92	64	105705	49.495	ug/l	94
7) Trichlorofluoromethane	3.26	101	94731	45.343	ug/l	98
8) Diethyl Ether	3.68	74	88493	49.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	173083	50.886	ug/l	99
10) Methyl Iodide	4.27	142	278622	52.834	ug/l	98
11) Tert butyl alcohol	5.20	59	47978	214.006	ug/l	100
12) 1,1-Dichloroethene	4.04	96	182581	51.837	ug/l	97
13) Acrolein	3.89	56	43196	242.583	ug/l	100
14) Allyl chloride	4.66	41	291391	51.982	ug/l	99
15) Acrylonitrile	5.37	53	191820	249.040	ug/l	99
16) Acetone	4.13	43	176297	252.728	ug/l	97
17) Carbon Disulfide	4.38	76	521933	51.268	ug/l	99
18) Methyl Acetate	4.67	43	88971	45.373	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	271145	50.228	ug/l	97
20) Methylene Chloride	4.92	84	184322	51.768	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	195513	51.357	ug/l	98
22) Diisopropyl ether	6.31	45	549860	51.583	ug/l	98
23) Vinyl Acetate	6.25	43	1625298	257.010	ug/l	99
24) 1,1-Dichloroethane	6.21	63	330379	51.362	ug/l	99
25) 2-Butanone	7.17	43	243426	232.459	ug/l	96
26) 2,2-Dichloropropane	7.16	77	198097	51.577	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	208690	51.945	ug/l	99
28) Bromochloromethane	7.51	49	132449	53.651	ug/l	99
29) Tetrahydrofuran	7.52	42	152339	237.215	ug/l	99
30) Chloroform	7.68	83	313301	49.750	ug/l	96
31) Cyclohexane	7.95	56	328033	48.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	254049	49.809	ug/l	99
36) 1,1-Dichloropropene	8.08	75	266028	49.766	ug/l	99
37) Ethyl Acetate	7.25	43	108732	47.860	ug/l	98
38) Carbon Tetrachloride	8.07	117	236036	49.257	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	350121	50.967	ug/l	99
40) Benzene	8.32	78	753707	50.549	ug/l	99
41) Methacrylonitrile	7.48	41	65051	47.975	ug/l	97
42) 1,2-Dichloroethane	8.40	62	193994	48.399	ug/l	98
43) Isopropyl Acetate	8.42	43	212659	48.840	ug/l	100
44) Trichloroethene	9.09	130	212239	50.734	ug/l	94
45) 1,2-Dichloropropane	9.37	63	188270	51.719	ug/l	98
46) Dibromomethane	9.46	93	87213	49.348	ug/l	98
47) Bromodichloromethane	9.65	83	226751	50.422	ug/l	99
48) Methyl methacrylate	9.43	41	99884	48.784	ug/l	99
49) 1,4-Dioxane	9.46	88	23806	897.366	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	514599	235.744	ug/l	99
52) Toluene	10.38	92	485778	50.835	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	237427	51.388	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	295128	52.536	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	131447	49.761	ug/l	97
56) Ethyl methacrylate	10.64	69	177566	51.362	ug/l	96
57) 1,3-Dichloropropane	10.93	76	230402	49.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	405677	253.476	ug/l	99
59) 2-Hexanone	10.97	43	369163	245.812	ug/l	99
60) Dibromochloromethane	11.13	129	151504	50.510	ug/l	100
61) 1,2-Dibromoethane	11.23	107	124632	49.623	ug/l	100
64) Tetrachloroethene	10.86	164	182761	50.510	ug/l	99
65) Chlorobenzene	11.66	112	500418	50.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	176264	51.811	ug/l	99
67) Ethyl Benzene	11.73	91	930234	51.555	ug/l	100
68) m/p-Xylenes	11.83	106	706372	102.735	ug/l	100
69) o-Xylene	12.16	106	328469	51.384	ug/l	99
70) Styrene	12.18	104	570840	52.015	ug/l	99
71) Bromoform	12.35	173	88966	49.499	ug/l #	98
73) Isopropylbenzene	12.46	105	916205	51.605	ug/l	100
74) N-amyl acetate	12.27	43	197818	50.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	141414	47.626	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	87821m	41.376	ug/l	
77) Bromobenzene	12.74	156	212086	50.409	ug/l	99
78) n-propylbenzene	12.80	91	1069231	51.450	ug/l	99
79) 2-Chlorotoluene	12.89	91	590554	50.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	773046	51.798	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	48802	51.593	ug/l	94
82) 4-Chlorotoluene	12.99	91	615806	50.156	ug/l	99
83) tert-Butylbenzene	13.21	119	684630	52.265	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	770286	51.868	ug/l	98
85) sec-Butylbenzene	13.38	105	926773	51.317	ug/l	99
86) p-Isopropyltoluene	13.49	119	865738	51.684	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	411581	50.830	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	407888	51.363	ug/l	100
89) n-Butylbenzene	13.82	91	809088	52.899	ug/l	99
90) Hexachloroethane	14.09	117	146077	51.912	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	359970	51.387	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22214	48.912	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	277658	55.314	ug/l	100
94) Hexachlorobutadiene	15.24	225	175247	51.030	ug/l	97
95) Naphthalene	15.36	128	473124	57.629	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	237656	54.793	ug/l	99

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

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