

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013029.D
 Acq On : 15 Sep 2019 08:19
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:58 AM

Quant Time: Sep 16 09:42:12 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	294562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	149702	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.88	113	132045	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.32	98	521390	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	191389	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55242	48.898	ug/l	94
3) Chloromethane	2.21	50	76385	54.307	ug/l	93
4) Vinyl Chloride	2.36	62	98706	46.816	ug/l	98
5) Bromomethane	2.77	94	58965	45.796	ug/l	92
6) Chloroethane	2.91	64	64616	49.969	ug/l	95
7) Trichlorofluoromethane	3.25	101	61930	42.004	ug/l	95
8) Diethyl Ether	3.68	74	63178	54.878	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104520	46.741	ug/l	99
10) Methyl Iodide	4.26	142	147646	52.758	ug/l	99
11) Tert butyl alcohol	5.19	59	56431	312.652	ug/l	99
12) 1,1-Dichloroethene	4.03	96	98844	48.614	ug/l	98
13) Acrolein	3.89	56	41279	204.551	ug/l	97
14) Allyl chloride	4.66	41	204262	52.918	ug/l	97
15) Acrylonitrile	5.36	53	178956	304.351	ug/l	99
16) Acetone	4.13	43	135912	228.560	ug/l	99
17) Carbon Disulfide	4.38	76	185426	45.763	ug/l	97
18) Methyl Acetate	4.67	43	102523	66.147	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	243464	60.661	ug/l	95
20) Methylene Chloride	4.92	84	129545	59.976	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	115427	53.005	ug/l	96
22) Diisopropyl ether	6.31	45	487012	60.734	ug/l	98
23) Vinyl Acetate	6.25	43	1367671	284.766	ug/l	100
24) 1,1-Dichloroethane	6.21	63	252964	54.714	ug/l	99
25) 2-Butanone	7.17	43	246845	285.353	ug/l	100
26) 2,2-Dichloropropane	7.16	77	129761	43.676	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	147193	56.458	ug/l	97
28) Bromochloromethane	7.51	49	118083	60.680	ug/l #	97
29) Tetrahydrofuran	7.52	42	161757	328.180	ug/l	98
30) Chloroform	7.67	83	251727	53.585	ug/l	100
31) Cyclohexane	7.95	56	187782	54.488	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	200060	51.713	ug/l	99
36) 1,1-Dichloropropene	8.08	75	179104	48.898	ug/l	99
37) Ethyl Acetate	7.25	43	110911	57.048	ug/l	99
38) Carbon Tetrachloride	8.07	117	178991	47.686	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	182932	45.578	ug/l	95
40) Benzene	8.32	78	514260	50.293	ug/l	100
41) Methacrylonitrile	7.48	41	70753	55.263	ug/l	97
42) 1,2-Dichloroethane	8.40	62	172558	50.342	ug/l	99
43) Isopropyl Acetate	8.42	43	211646	56.698	ug/l	99
44) Trichloroethene	9.09	130	140310	50.096	ug/l	90
45) 1,2-Dichloropropane	9.37	63	146199	53.815	ug/l	100
46) Dibromomethane	9.46	93	70704	54.322	ug/l	99
47) Bromodichloromethane	9.64	83	195049	53.425	ug/l	99
48) Methyl methacrylate	9.43	41	103486	59.071	ug/l	97
49) 1,4-Dioxane	9.46	88	24912	1142.259	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	581211	301.584	ug/l	100
52) Toluene	10.38	92	342867	52.769	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185587	50.544	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	217014	51.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	110577	55.768	ug/l	98
56) Ethyl methacrylate	10.65	69	155607	58.304	ug/l	98
57) 1,3-Dichloropropane	10.93	76	195917	55.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	398362	278.248	ug/l	99
59) 2-Hexanone	10.97	43	388186	289.276	ug/l	99
60) Dibromochloromethane	11.13	129	128905	53.773	ug/l	97
61) 1,2-Dibromoethane	11.23	107	102268	56.540	ug/l	99
64) Tetrachloroethene	10.86	164	136277	56.034	ug/l	99
65) Chlorobenzene	11.66	112	380725	52.284	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	144681	51.847	ug/l	99
67) Ethyl Benzene	11.73	91	693629	51.576	ug/l	99
68) m/p-Xylenes	11.83	106	515632	104.953	ug/l	100
69) o-Xylene	12.16	106	238195	51.714	ug/l	99
70) Styrene	12.18	104	431735	52.691	ug/l	99
71) Bromoform	12.35	173	80248	54.748	ug/l #	99
73) Isopropylbenzene	12.46	105	674926	50.359	ug/l	100
74) N-amyl acetate	12.27	43	200077	58.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	133267	56.614	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	105675m	59.666	ug/l	
77) Bromobenzene	12.74	156	166522	53.933	ug/l	98
78) n-propylbenzene	12.80	91	795610	50.466	ug/l	100
79) 2-Chlorotoluene	12.89	91	473509	52.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	587775	51.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37747	48.347	ug/l	99
82) 4-Chlorotoluene	12.99	91	501287	52.424	ug/l	99
83) tert-Butylbenzene	13.21	119	498727	49.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	559807	49.964	ug/l	99
85) sec-Butylbenzene	13.38	105	675405	48.880	ug/l	99
86) p-Isopropyltoluene	13.49	119	634966	50.052	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	308099	50.408	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	309669	51.557	ug/l	99
89) n-Butylbenzene	13.82	91	611108	51.078	ug/l	100
90) Hexachloroethane	14.09	117	112886	49.655	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	290162	53.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23721	55.053	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	209193	54.573	ug/l	99
94) Hexachlorobutadiene	15.24	225	129913	47.874	ug/l	98
95) Naphthalene	15.36	128	388513	60.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	185286	54.680	ug/l	100

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

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