

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012243.D
 Acq On : 28 Aug 2019 10:13
 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
 8/29/2019 9:41:51 AM

Quant Time: Aug 28 17:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	152385	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	7.88	113	127151	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.32	98	523835	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.62	95	184990	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	87056	52.296	ug/l	99
3) Chloromethane	2.21	50	132900	51.530	ug/l	97
4) Vinyl Chloride	2.36	62	169993	53.852	ug/l	98
5) Bromomethane	2.78	94	90148	56.389	ug/l	98
6) Chloroethane	2.92	64	97579	54.797	ug/l	95
7) Trichlorofluoromethane	3.26	101	92223	58.183	ug/l	99
8) Diethyl Ether	3.68	74	77601	51.579	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141198	52.407	ug/l	98
10) Methyl Iodide	4.27	142	200384	54.969	ug/l	99
11) Tert butyl alcohol	5.15	59	47131	243.686	ug/l	98
12) 1,1-Dichloroethene	4.04	96	145520	53.662	ug/l	97
13) Acrolein	3.89	56	38267	210.190	ug/l	96
14) Allyl chloride	4.67	41	320285	55.246	ug/l	99
15) Acrylonitrile	5.36	53	184507	247.417	ug/l	100
16) Acetone	4.11	43	197265	240.119	ug/l	97
17) Carbon Disulfide	4.38	76	438776	53.538	ug/l	100
18) Methyl Acetate	4.67	43	95398	46.884	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	231680	52.830	ug/l	98
20) Methylene Chloride	4.91	84	154476	49.739	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	153766	52.877	ug/l	97
22) Diisopropyl ether	6.31	45	569646	53.010	ug/l	96
23) Vinyl Acetate	6.25	43	1733028	262.053	ug/l	100
24) 1,1-Dichloroethane	6.21	63	307572	52.567	ug/l	99
25) 2-Butanone	7.16	43	272344	243.956	ug/l	99
26) 2,2-Dichloropropane	7.16	77	182287	55.043	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	165847	53.380	ug/l	99
28) Bromochloromethane	7.51	49	124907	48.980	ug/l	98
29) Tetrahydrofuran	7.52	42	165899	247.695	ug/l	99
30) Chloroform	7.67	83	276636	51.678	ug/l	99
31) Cyclohexane	7.95	56	290877	50.248	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	224192	52.942	ug/l	99
36) 1,1-Dichloropropene	8.08	75	236510	53.315	ug/l	99
37) Ethyl Acetate	7.24	43	116992	48.127	ug/l	98
38) Carbon Tetrachloride	8.07	117	204243	53.195	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	269418	54.061	ug/l	99
40) Benzene	8.32	78	641359	52.948	ug/l	99
41) Methacrylonitrile	7.48	41	67674	47.367	ug/l	92
42) 1,2-Dichloroethane	8.40	62	192984	50.834	ug/l	99
43) Isopropyl Acetate	8.42	43	228075	50.652	ug/l	99
44) Trichloroethene	9.09	130	156830	53.260	ug/l	98
45) 1,2-Dichloropropane	9.37	63	172023	52.768	ug/l	98
46) Dibromomethane	9.46	93	74373	51.275	ug/l	99
47) Bromodichloromethane	9.64	83	202598	52.482	ug/l	99
48) Methyl methacrylate	9.43	41	109556	51.120	ug/l	98
49) 1,4-Dioxane	9.45	88	19786	891.064	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	569974	248.868	ug/l	99
52) Toluene	10.38	92	392545	53.944	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	214972	54.670	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	258053	54.351	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	105142	51.234	ug/l	98
56) Ethyl methacrylate	10.64	69	161167	53.959	ug/l	97
57) 1,3-Dichloropropane	10.93	76	200463	51.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	387007	252.467	ug/l	99
59) 2-Hexanone	10.96	43	407218	251.290	ug/l	99
60) Dibromochloromethane	11.13	129	118977	52.050	ug/l	98
61) 1,2-Dibromoethane	11.23	107	100842	52.744	ug/l	99
64) Tetrachloroethene	10.86	164	127359	53.567	ug/l	99
65) Chlorobenzene	11.65	112	389652	53.961	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	135005	53.592	ug/l	99
67) Ethyl Benzene	11.73	91	765925	55.062	ug/l	98
68) m/p-Xylenes	11.83	106	551556	110.078	ug/l	98
69) o-Xylene	12.16	106	258238	55.685	ug/l	99
70) Styrene	12.18	104	444328	55.354	ug/l	100
71) Bromoform	12.35	173	66724	53.162	ug/l #	99
73) Isopropylbenzene	12.46	105	723488	55.291	ug/l	99
74) N-amyl acetate	12.27	43	213048	53.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121982	50.850	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	101736m	59.819	ug/l	
77) Bromobenzene	12.74	156	153844	54.346	ug/l	98
78) n-propylbenzene	12.80	91	881932	55.210	ug/l	99
79) 2-Chlorotoluene	12.89	91	492407	54.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	607938	55.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42204	54.408	ug/l	97
82) 4-Chlorotoluene	12.99	91	517767	54.524	ug/l	100
83) tert-Butylbenzene	13.21	119	522551	56.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	603654	54.961	ug/l	99
85) sec-Butylbenzene	13.38	105	739322	55.717	ug/l	100
86) p-Isopropyltoluene	13.50	119	671138	56.635	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	300075	54.195	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	296004	53.840	ug/l	100
89) n-Butylbenzene	13.82	91	676411	57.399	ug/l	100
90) Hexachloroethane	14.09	117	116162	55.872	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	263810	54.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20625	51.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	194992	58.090	ug/l	100
94) Hexachlorobutadiene	15.24	225	126163	56.921	ug/l	99
95) Naphthalene	15.36	128	350461	52.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	170169	58.105	ug/l	100

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

