

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010558.D
 Acq On : 24 May 2019 19:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:28 PM

Quant Time: May 25 04:11:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	130719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65987	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.88	113	69971	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.32	98	257802	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	100768	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	62217	53.445	ug/l	100
3) Chloromethane	2.21	50	67008	48.789	ug/l	99
4) Vinyl Chloride	2.35	62	73767	46.369	ug/l	100
5) Bromomethane	2.75	94	53609	48.983	ug/l	100
6) Chloroethane	2.90	64	51807	50.729	ug/l	98
7) Trichlorofluoromethane	3.25	101	129212	55.014	ug/l	100
8) Diethyl Ether	3.68	74	42100	56.546	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80372	55.566	ug/l	98
10) Methyl Iodide	4.27	142	88627	53.607	ug/l	99
11) Tert butyl alcohol	5.17	59	36679	302.225	ug/l	96
12) 1,1-Dichloroethene	4.03	96	75883	54.958	ug/l	99
13) Acrolein	3.90	56	21427	308.188	ug/l	97
14) Allyl chloride	4.67	41	106268	53.171	ug/l	99
15) Acrylonitrile	5.37	53	84843	272.101	ug/l	98
16) Acetone	4.12	43	69588	252.670	ug/l	98
17) Carbon Disulfide	4.38	76	214902	52.181	ug/l	98
18) Methyl Acetate	4.67	43	34991	51.948	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	200529	56.969	ug/l	99
20) Methylene Chloride	4.92	84	83614	51.939	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	88907	56.137	ug/l	98
22) Diisopropyl ether	6.31	45	223450	54.525	ug/l	99
23) Vinyl Acetate	6.26	43	662969	270.825	ug/l	98
24) 1,1-Dichloroethane	6.22	63	137707	56.309	ug/l	98
25) 2-Butanone	7.17	43	108011	274.044	ug/l	100
26) 2,2-Dichloropropane	7.17	77	126361	54.243	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	99075	57.541	ug/l	99
28) Bromochloromethane	7.51	49	43459	49.634	ug/l	91
29) Tetrahydrofuran	7.52	42	69529	260.698	ug/l	96
30) Chloroform	7.68	83	150426	57.026	ug/l	98
31) Cyclohexane	7.95	56	127934	49.941	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	140381	55.680	ug/l	99
36) 1,1-Dichloropropene	8.08	75	115843	57.172	ug/l	99
37) Ethyl Acetate	7.25	43	49326	57.247	ug/l	99
38) Carbon Tetrachloride	8.07	117	124947	57.164	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	154022	56.737	ug/l	98
40) Benzene	8.32	78	331341	58.834	ug/l	99
41) Methacrylonitrile	7.48	41	27097	52.927	ug/l	99
42) 1,2-Dichloroethane	8.40	62	94636	58.794	ug/l	99
43) Isopropyl Acetate	8.43	43	95830	55.671	ug/l	100
44) Trichloroethene	9.09	130	100575	60.154	ug/l	99
45) 1,2-Dichloropropane	9.37	63	77490	57.935	ug/l	97
46) Dibromomethane	9.46	93	46331	59.231	ug/l	95
47) Bromodichloromethane	9.65	83	114258	58.126	ug/l	98
48) Methyl methacrylate	9.44	41	43453	55.178	ug/l	98
49) 1,4-Dioxane	9.45	88	16669	1304.511	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	241972	277.408	ug/l	99
52) Toluene	10.39	92	226181	59.802	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	113922	57.224	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	133568	58.747	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	68216	60.645	ug/l	95
56) Ethyl methacrylate	10.65	69	88888	57.298	ug/l	98
57) 1,3-Dichloropropane	10.93	76	111780	59.326	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	165931	241.484	ug/l	98
59) 2-Hexanone	10.97	43	171070	274.933	ug/l	99
60) Dibromochloromethane	11.13	129	85379	59.975	ug/l	100
61) 1,2-Dibromoethane	11.24	107	67810	59.512	ug/l	99
64) Tetrachloroethene	10.87	164	83953	60.552	ug/l	94
65) Chlorobenzene	11.66	112	251244	59.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	89345	58.840	ug/l	100
67) Ethyl Benzene	11.73	91	424381	56.707	ug/l	98
68) m/p-Xylenes	11.84	106	338448	115.300	ug/l	99
69) o-Xylene	12.16	106	162213	58.327	ug/l	98
70) Styrene	12.18	104	275417	58.366	ug/l	99
71) Bromoform	12.35	173	48429	57.917	ug/l #	99
73) Isopropylbenzene	12.46	105	434223	55.620	ug/l	100
74) N-amyl acetate	12.27	43	92780	51.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77752	54.756	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	52990m	53.062	ug/l	
77) Bromobenzene	12.75	156	103821	59.426	ug/l	95
78) n-propylbenzene	12.80	91	501388	55.110	ug/l	99
79) 2-Chlorotoluene	12.90	91	292755	55.487	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	370117	55.976	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24481	51.162	ug/l	98
82) 4-Chlorotoluene	12.99	91	305775	55.835	ug/l	100
83) tert-Butylbenzene	13.21	119	319600	55.336	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	366598	55.669	ug/l	99
85) sec-Butylbenzene	13.38	105	447606	55.379	ug/l	100
86) p-Isopropyltoluene	13.50	119	408388	55.822	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	198500	57.912	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200160	58.203	ug/l	99
89) n-Butylbenzene	13.83	91	383128	55.058	ug/l	99
90) Hexachloroethane	14.10	117	77301	54.589	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	182993	58.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13898	52.637	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	129288	60.844	ug/l	100
94) Hexachlorobutadiene	15.24	225	68764	60.575	ug/l	99
95) Naphthalene	15.37	128	255085	57.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	110698	60.543	ug/l	100

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

