

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081019\
 Data File : VW011800.D
 Acq On : 09 Aug 2019 05:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 10:55:06 AM

Quant Time: Aug 09 06:41:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	3590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	7698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	11262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6736	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	29865	724.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1448.94%	
35) Dibromofluoromethane	7.88	113	7892	182.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	365.48%	
50) Toluene-d8	10.32	98	10600	59.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.90%	
62) 4-Bromofluorobenzene	12.62	95	8216	130.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	196	9.796	ug/l 79
3) Chloromethane	2.20	50	1781	51.335	ug/l 91
4) Vinyl Chloride	2.35	62	679	16.256	ug/l 89
5) Bromomethane	2.73	94	1937	83.782	ug/l 81
6) Chloroethane	2.90	64	1018	42.667	ug/l # 60
7) Trichlorofluoromethane	3.24	101	247	13.232	ug/l # 19
8) Diethyl Ether	3.67	74	17113	808.559	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	669	18.893	ug/l # 83
10) Methyl Iodide	4.27	142	4379	87.507	ug/l # 89
11) Tert butyl alcohol	5.17	59	40725	14395.280	ug/l 99
12) 1,1-Dichloroethene	4.03	96	966	25.837	ug/l 83
13) Acrolein	3.89	56	28678	9695.430	ug/l 97
14) Allyl chloride	4.65	41	6526m	82.066	ug/l
15) Acrylonitrile	5.36	53	139995	13250.512	ug/l 99
16) Acetone	4.12	43	143299	10928.009	ug/l 95
17) Carbon Disulfide	4.37	76	2045	17.476	ug/l # 80
18) Methyl Acetate	4.67	43	87989	2986.911	ug/l 96
19) Methyl tert-butyl Ether	5.42	73	60642	1022.100	ug/l 97
20) Methylene Chloride	4.91	84	12199	269.745	ug/l 91
21) trans-1,2-Dichloroethene	5.42	96	1716	42.571	ug/l 92
22) Diisopropyl ether	6.31	45	52082	347.383	ug/l 94
23) Vinyl Acetate	6.25	43	377605	4008.233	ug/l 100
24) 1,1-Dichloroethane	6.21	63	7947	98.971	ug/l # 93
25) 2-Butanone	7.17	43	218910	12757.921	ug/l 99
26) 2,2-Dichloropropane	7.16	77	2067	41.858	ug/l 91
27) cis-1,2-Dichloroethene	7.17	96	6242	140.702	ug/l 99
28) Bromochloromethane	7.51	49	21277	596.990	ug/l 93
29) Tetrahydrofuran	7.53	42	140528	14327.767	ug/l 99
30) Chloroform	7.67	83	11075	149.503	ug/l 97
31) Cyclohexane	7.95	56	1174	15.232	ug/l # 78
32) 1,1,1-Trichloroethane	7.87	97	2084	36.940	ug/l 97
36) 1,1-Dichloropropene	8.08	75	1643	20.526	ug/l # 88
37) Ethyl Acetate	7.25	43	82677	1795.292	ug/l 98
38) Carbon Tetrachloride	8.06	117	1220	17.804	ug/l # 76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	837	9.496	ug/l #	71
40) Benzene	8.32	78	14752	65.795	ug/l	96
41) Methacrylonitrile	7.48	41	49561	1800.342	ug/l	96
42) 1,2-Dichloroethane	8.40	62	38035	541.829	ug/l	99
43) Isopropyl Acetate	8.42	43	119927	1416.012	ug/l #	92
44) Trichloroethene	9.09	130	4678	86.809	ug/l	91
45) 1,2-Dichloropropane	9.37	63	10891	181.543	ug/l	100
46) Dibromomethane	9.46	93	17977	656.545	ug/l	100
47) Bromodichloromethane	9.65	83	16402	228.362	ug/l	99
48) Methyl methacrylate	9.43	41	57953	1424.484	ug/l	94
49) 1,4-Dioxane	9.45	88	20698	52206.738	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	404975	9192.867	ug/l	100
52) Toluene	10.38	92	6662	49.202	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	28999	386.506	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	21095	236.468	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	26448	680.774	ug/l	97
56) Ethyl methacrylate	10.65	69	54524	959.091	ug/l	97
57) 1,3-Dichloropropane	10.93	76	45071	613.211	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	167086	6473.180	ug/l	99
59) 2-Hexanone	10.97	43	296497	9532.317	ug/l	99
60) Dibromochloromethane	11.13	129	20289	470.480	ug/l	99
61) 1,2-Dibromoethane	11.23	107	28404	772.583	ug/l	98
64) Tetrachloroethene	10.86	164	5839	79.629	ug/l	91
65) Chlorobenzene	11.66	112	11275	49.797	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.73	131	7523	95.388	ug/l	98
67) Ethyl Benzene	11.73	91	8646	20.050	ug/l	95
68) m/p-Xylenes	11.83	106	6757	43.087	ug/l	95
69) o-Xylene	12.16	106	5098	34.983	ug/l	95
70) Styrene	12.18	104	13237	52.535	ug/l	96
71) Bromoform	12.35	173	19227	478.147	ug/l #	97
73) Isopropylbenzene	12.46	105	5852	11.645	ug/l	97
74) N-amyl acetate	12.27	43	74830	475.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49414	522.766	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40790m	572.293	ug/l	
77) Bromobenzene	12.75	156	8374	75.392	ug/l #	3
78) n-propylbenzene	12.80	91	7144	11.681	ug/l	100
79) 2-Chlorotoluene	12.89	91	8531	24.213	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	6988	16.589	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15535	502.322	ug/l	92
82) 4-Chlorotoluene	12.99	91	10088	27.290	ug/l	98
83) tert-Butylbenzene	13.21	119	3635	10.319	ug/l	94
84) 1,2,4-Trimethylbenzene	13.25	105	9659	22.763	ug/l	99
85) sec-Butylbenzene	13.39	105	4048	8.054	ug/l	96
86) p-Isopropyltoluene	13.50	119	4685	10.273	ug/l	94
87) 1,3-Dichlorobenzene	13.50	146	9163	42.073	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	10096	46.601	ug/l	100
89) n-Butylbenzene	13.82	91	4201	9.231	ug/l	97
90) Hexachloroethane	14.09	117	1136	14.087	ug/l	89
91) 1,2-Dichlorobenzene	13.87	146	14856	77.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12659	785.356	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	8348	61.493	ug/l	98
94) Hexachlorobutadiene	15.24	225	782	9.237	ug/l	87
95) Naphthalene	15.36	128	82910	300.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	13783	115.826	ug/l	93

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

