

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011741.D
 Acq On : 07 Aug 2019 10:34
 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
 8/8/2019 9:30:41 AM

Quant Time: Aug 07 16:39:03 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	230101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140611	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.88	113	113074	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
50) Toluene-d8	10.32	98	463690	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	
62) 4-Bromofluorobenzene	12.62	95	161709	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	71728	55.933	ug/l	96
3) Chloromethane	2.21	50	101424	45.611	ug/l	96
4) Vinyl Chloride	2.36	62	135306	50.541	ug/l	99
5) Bromomethane	2.78	94	68133	45.978	ug/l	97
6) Chloroethane	2.92	64	76585	50.080	ug/l	99
7) Trichlorofluoromethane	3.26	101	74637	62.382	ug/l	98
8) Diethyl Ether	3.68	74	64326	47.419	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120538	53.109	ug/l	100
10) Methyl Iodide	4.28	142	159903	49.854	ug/l	99
11) Tert butyl alcohol	5.18	59	40039	201.904	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	121643	50.761	ug/l	96
13) Acrolein	3.89	56	63224	333.485	ug/l	100
14) Allyl chloride	4.66	41	260902	51.188	ug/l	99
15) Acrylonitrile	5.36	53	164937	243.565	ug/l	99
16) Acetone	4.12	43	207813	247.256	ug/l	99
17) Carbon Disulfide	4.39	76	382751	51.031	ug/l	98
18) Methyl Acetate	4.67	43	85605	45.339	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	187681	49.353	ug/l	97
20) Methylene Chloride	4.92	84	129747	44.761	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	130474	50.501	ug/l	97
22) Diisopropyl ether	6.31	45	472362	49.155	ug/l	95
23) Vinyl Acetate	6.25	43	1514808	250.870	ug/l	99
24) 1,1-Dichloroethane	6.21	63	258237	50.177	ug/l	99
25) 2-Butanone	7.17	43	265978	241.844	ug/l	99
26) 2,2-Dichloropropane	7.17	77	153124	48.379	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	138478	48.700	ug/l	99
28) Bromochloromethane	7.51	49	96671	42.318	ug/l	100
29) Tetrahydrofuran	7.53	42	149815	238.313	ug/l	99
30) Chloroform	7.68	83	233493	49.176	ug/l	96
31) Cyclohexane	7.95	56	241684	48.921	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	191372	52.924	ug/l	100
36) 1,1-Dichloropropene	8.08	75	200167	53.917	ug/l	99
37) Ethyl Acetate	7.25	43	105627	49.454	ug/l	98
38) Carbon Tetrachloride	8.07	117	176626	55.575	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226149	55.322	ug/l	99
40) Benzene	8.32	78	531715	51.132	ug/l	99
41) Methacrylonitrile	7.48	41	64223	50.301	ug/l	99
42) 1,2-Dichloroethane	8.40	62	166384	51.105	ug/l	99
43) Isopropyl Acetate	8.42	43	199552	50.802	ug/l	99
44) Trichloroethene	9.09	130	131118	52.461	ug/l	99
45) 1,2-Dichloropropane	9.37	63	145185	52.180	ug/l	99
46) Dibromomethane	9.46	93	64486	50.779	ug/l	99
47) Bromodichloromethane	9.64	83	174467	52.374	ug/l	100
48) Methyl methacrylate	9.43	41	96159	50.962	ug/l	98
49) 1,4-Dioxane	9.46	88	17751	965.368	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	516598	252.841	ug/l	100
52) Toluene	10.38	92	330036	52.555	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	181223	52.079	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	214463	51.834	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90916	50.457	ug/l	98
56) Ethyl methacrylate	10.65	69	136844	51.900	ug/l	98
57) 1,3-Dichloropropane	10.93	76	171919	50.432	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	380667	317.976	ug/l	99
59) 2-Hexanone	10.97	43	388842	269.540	ug/l	99
60) Dibromochloromethane	11.13	129	104939	52.467	ug/l	99
61) 1,2-Dibromoethane	11.23	107	85925	50.392	ug/l	98
64) Tetrachloroethene	10.86	164	107815	53.531	ug/l	97
65) Chlorobenzene	11.66	112	322548	51.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	116217	53.650	ug/l	99
67) Ethyl Benzene	11.73	91	637097	53.789	ug/l	99
68) m/p-Xylenes	11.84	106	459077	106.578	ug/l	100
69) o-Xylene	12.16	106	211571	52.857	ug/l	100
70) Styrene	12.18	104	369838	53.439	ug/l	100
71) Bromoform	12.35	173	59591	53.954	ug/l #	99
73) Isopropylbenzene	12.46	105	600856	53.330	ug/l	100
74) N-amyl acetate	12.27	43	183924	52.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	108257	51.083	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89934m	56.279	ug/l	
77) Bromobenzene	12.74	156	129818	52.130	ug/l	100
78) n-propylbenzene	12.80	91	744060	54.265	ug/l	100
79) 2-Chlorotoluene	12.89	91	413233	52.313	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	511188	54.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37815	54.537	ug/l	98
82) 4-Chlorotoluene	12.99	91	439397	53.016	ug/l	100
83) tert-Butylbenzene	13.21	119	432168	54.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	508624	53.462	ug/l	99
85) sec-Butylbenzene	13.38	105	620177	55.034	ug/l	100
86) p-Isopropyltoluene	13.50	119	558797	54.652	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	253455	51.907	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	248938	51.250	ug/l	99
89) n-Butylbenzene	13.82	91	565648	55.436	ug/l	99
90) Hexachloroethane	14.09	117	99849	55.226	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	222645	51.554	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18883	52.251	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	159549	52.420	ug/l	99
94) Hexachlorobutadiene	15.24	225	104302	54.951	ug/l	96
95) Naphthalene	15.36	128	287194	48.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	139148	52.155	ug/l	100

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

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