

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008192.D
 Acq On : 11 Jan 2019 14:11
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/14/2019 2:41:44 PM

Quant Time: Jan 12 00:26:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	109306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	184093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	53811	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	
35) Dibromofluoromethane	7.88	113	53862	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.32	98	224689	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.62	95	75977	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	40512	45.413	ug/l	97
3) Chloromethane	2.21	50	50833	43.922	ug/l	95
4) Vinyl Chloride	2.37	62	75734	50.138	ug/l	95
5) Bromomethane	2.78	94	54173	47.876	ug/l	99
6) Chloroethane	2.93	64	48855	42.982	ug/l	100
7) Trichlorofluoromethane	3.26	101	55486	45.184	ug/l	98
8) Diethyl Ether	3.67	74	31339	45.143	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59897	49.127	ug/l	98
10) Methyl Iodide	4.26	142	89780	50.525	ug/l	99
11) Tert butyl alcohol	5.20	59	16223	211.333	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	58972	49.266	ug/l	97
13) Acrolein	3.89	56	22273	272.459	ug/l	98
14) Allyl chloride	4.66	41	104497	48.082	ug/l	99
15) Acrylonitrile	5.37	53	59303	224.377	ug/l	100
16) Acetone	4.13	43	61466	280.970	ug/l	98
17) Carbon Disulfide	4.37	76	185597	49.633	ug/l	100
18) Methyl Acetate	4.67	43	36149	46.557	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	87347	44.885	ug/l	96
20) Methylene Chloride	4.91	84	62169	51.548	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	66057	50.781	ug/l	93
22) Diisopropyl ether	6.31	45	192961	46.554	ug/l	98
23) Vinyl Acetate	6.25	43	499555	229.482	ug/l	99
24) 1,1-Dichloroethane	6.21	63	115146	47.679	ug/l	98
25) 2-Butanone	7.18	43	80004	234.060	ug/l	99
26) 2,2-Dichloropropane	7.16	77	79185	48.391	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	70042	49.351	ug/l	96
28) Bromochloromethane	7.51	49	43755	45.805	ug/l	95
29) Tetrahydrofuran	7.53	42	48875	214.060	ug/l	98
30) Chloroform	7.67	83	112108	48.769	ug/l	97
31) Cyclohexane	7.95	56	115249	44.577	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	99133	49.562	ug/l	99
36) 1,1-Dichloropropene	8.08	75	97230	51.272	ug/l	99
37) Ethyl Acetate	7.25	43	33706	44.366	ug/l	97
38) Carbon Tetrachloride	8.07	117	90757	52.289	ug/l	98

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

39) Methylcyclohexane	9.34	83	124172	51.641	ug/l	93
40) Benzene	8.32	78	265990	51.715	ug/l	100
41) Methacrylonitrile	7.48	41	19734	41.119	ug/l	95
42) 1,2-Dichloroethane	8.40	62	68153	47.112	ug/l	98
43) Isopropyl Acetate	8.42	43	68349	44.996	ug/l	99
44) Trichloroethene	9.09	130	70372	53.448	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64562	50.623	ug/l	98
46) Dibromomethane	9.46	93	30143	48.126	ug/l	95
47) Bromodichloromethane	9.64	83	79640	50.076	ug/l	98
48) Methyl methacrylate	9.44	41	32453	45.278	ug/l	93
49) 1,4-Dioxane	9.46	88	9450	938.195	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	164389	223.574	ug/l	99
52) Toluene	10.39	92	168760	51.376	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	81590	49.321	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	96935	49.415	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44278	50.352	ug/l	99
56) Ethyl methacrylate	10.65	69	51934	47.689	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76504	47.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	128561	228.540	ug/l	99
59) 2-Hexanone	10.97	43	119363	240.056	ug/l	100
60) Dibromochloromethane	11.13	129	51159	52.979	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40997	49.134	ug/l	99
64) Tetrachloroethene	10.87	164	56379	52.309	ug/l	95
65) Chlorobenzene	11.66	112	178135	50.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59335	51.993	ug/l	98
67) Ethyl Benzene	11.73	91	327784	51.058	ug/l	99
68) m/p-Xylenes	11.84	106	251284	102.549	ug/l	98
69) o-Xylene	12.17	106	115323	50.822	ug/l	97
70) Styrene	12.18	104	188337	52.989	ug/l	98
71) Bromoform	12.35	173	27796	54.423	ug/l #	97
73) Isopropylbenzene	12.47	105	326610	52.130	ug/l	100
74) N-amyl acetate	12.27	43	63580	45.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47168	47.034	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29314m	40.295	ug/l	
77) Bromobenzene	12.75	156	68419	51.682	ug/l	90
78) n-propylbenzene	12.81	91	394363	51.371	ug/l	99
79) 2-Chlorotoluene	12.90	91	214041	49.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	266485	51.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15138	48.457	ug/l	96
82) 4-Chlorotoluene	12.99	91	225676	50.030	ug/l	98
83) tert-Butylbenzene	13.21	119	235781	51.765	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	268580	50.579	ug/l	98
85) sec-Butylbenzene	13.39	105	344892	51.691	ug/l	99
86) p-Isopropyltoluene	13.50	119	297091	51.563	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	140602	52.357	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	134675	49.985	ug/l	97
89) n-Butylbenzene	13.83	91	291786	51.707	ug/l	99
90) Hexachloroethane	14.10	117	52180	53.617	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	120043	50.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7673	47.543	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82661	52.754	ug/l	97
94) Hexachlorobutadiene	15.24	225	48134	57.393	ug/l	99
95) Naphthalene	15.37	128	142282	48.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70528	52.800	ug/l	97

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

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