

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008846.D
 Acq On : 27 Feb 2019 11:02
 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
 3/1/2019 12:09:40 AM

Quant Time: Feb 28 07:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	126911	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
35) Dibromofluoromethane	7.88	113	123478	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	10.32	98	509809	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	186177	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	162803	52.307	ug/l	97
3) Chloromethane	2.21	50	199662	52.700	ug/l	100
4) Vinyl Chloride	2.35	62	205686	51.276	ug/l	99
5) Bromomethane	2.77	94	158355	53.149	ug/l	99
6) Chloroethane	2.92	64	144827	50.844	ug/l	98
7) Trichlorofluoromethane	3.26	101	264367	52.109	ug/l	95
8) Diethyl Ether	3.68	74	72133	44.910	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161826	52.526	ug/l	99
10) Methyl Iodide	4.27	142	184878	47.988	ug/l	100
11) Tert butyl alcohol	5.19	59	49126	189.327	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	141420	51.977	ug/l	98
13) Acrolein	3.90	56	62064	228.605	ug/l	98
14) Allyl chloride	4.67	41	244834	52.137	ug/l	97
15) Acrylonitrile	5.37	53	158407	229.801	ug/l	100
16) Acetone	4.13	43	173562	256.909	ug/l	98
17) Carbon Disulfide	4.38	76	461332	51.103	ug/l	98
18) Methyl Acetate	4.67	43	71367	44.537	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	347449	47.179	ug/l	97
20) Methylene Chloride	4.92	84	162656	48.747	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	163324	51.893	ug/l	94
22) Diisopropyl ether	6.31	45	477768	51.002	ug/l	98
23) Vinyl Acetate	6.26	43	1400196	241.921	ug/l	100
24) 1,1-Dichloroethane	6.22	63	277082	51.044	ug/l	98
25) 2-Butanone	7.17	43	222984	236.086	ug/l	97
26) 2,2-Dichloropropane	7.16	77	261254	53.012	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	171863	51.048	ug/l	99
28) Bromochloromethane	7.51	49	108131	47.602	ug/l	99
29) Tetrahydrofuran	7.53	42	131984	219.277	ug/l	99
30) Chloroform	7.67	83	284986	51.175	ug/l	97
31) Cyclohexane	7.95	56	281805	51.287	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	270484	53.410	ug/l	99
36) 1,1-Dichloropropene	8.08	75	233093	55.376	ug/l	100
37) Ethyl Acetate	7.25	43	88680	45.305	ug/l	99
38) Carbon Tetrachloride	8.07	117	241652	54.438	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	293648	55.930	ug/l	99
40) Benzene	8.32	78	628656	54.701	ug/l	97
41) Methacrylonitrile	7.48	41	52212	45.379	ug/l	98
42) 1,2-Dichloroethane	8.40	62	183952	50.528	ug/l	100
43) Isopropyl Acetate	8.43	43	181514	46.463	ug/l	100
44) Trichloroethene	9.09	130	176751	54.594	ug/l	96
45) 1,2-Dichloropropane	9.37	63	150484	52.988	ug/l	96
46) Dibromomethane	9.46	93	80006	50.646	ug/l	97
47) Bromodichloromethane	9.64	83	206267	53.667	ug/l	95
48) Methyl methacrylate	9.44	41	87488	46.759	ug/l	98
49) 1,4-Dioxane	9.45	88	24639	973.971	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	463470	233.678	ug/l	98
52) Toluene	10.39	92	439863	56.395	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	206509	52.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	243137	54.418	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	108233	50.521	ug/l	97
56) Ethyl methacrylate	10.65	69	140436	50.456	ug/l	98
57) 1,3-Dichloropropane	10.93	76	190982	50.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	344449	246.059	ug/l	99
59) 2-Hexanone	10.97	43	358188	253.702	ug/l	99
60) Dibromochloromethane	11.13	129	138237	52.902	ug/l	97
61) 1,2-Dibromoethane	11.23	107	104217	49.146	ug/l	98
64) Tetrachloroethene	10.86	164	161179	54.600	ug/l	97
65) Chlorobenzene	11.66	112	477512	55.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	156259	53.293	ug/l	100
67) Ethyl Benzene	11.73	91	871837	56.241	ug/l	99
68) m/p-Xylenes	11.84	106	690022	111.406	ug/l	100
69) o-Xylene	12.17	106	317085	54.543	ug/l	99
70) Styrene	12.18	104	510262	54.556	ug/l	100
71) Bromoform	12.35	173	76379	48.462	ug/l #	100
73) Isopropylbenzene	12.47	105	889219	60.282	ug/l	99
74) N-amyl acetate	12.27	43	183251	49.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118923	49.340	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	68998m	38.838	ug/l	
77) Bromobenzene	12.75	156	196846	56.471	ug/l	97
78) n-propylbenzene	12.80	91	1065916	59.074	ug/l	100
79) 2-Chlorotoluene	12.90	91	588466	57.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	745545	58.160	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37951	51.933	ug/l	97
82) 4-Chlorotoluene	12.99	91	611684	56.660	ug/l	100
83) tert-Butylbenzene	13.21	119	668459	60.308	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	750385	56.549	ug/l	100
85) sec-Butylbenzene	13.38	105	945988	59.355	ug/l	100
86) p-Isopropyltoluene	13.50	119	842311	57.650	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	401436	55.506	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	391620	54.941	ug/l	100
89) n-Butylbenzene	13.83	91	795875	58.144	ug/l	100
90) Hexachloroethane	14.10	117	141850	59.306	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	350329	54.364	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20601	47.250	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	248241	53.465	ug/l	99
94) Hexachlorobutadiene	15.24	225	161320	58.985	ug/l	100
95) Naphthalene	15.37	128	388495	49.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	211224	52.615	ug/l	99

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

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