

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008238.D
 Acq On : 14 Jan 2019 10:59
 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

apatel
 1/15/2019 2:08:34 PM

Quant Time: Jan 14 21:21:28 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	113418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	179856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	54353	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
35) Dibromofluoromethane	7.88	113	54941	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	10.32	98	223239	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	76517	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	41131	44.435	ug/l	95
3) Chloromethane	2.21	50	48207	40.143	ug/l	98
4) Vinyl Chloride	2.37	62	69867	44.577	ug/l	98
5) Bromomethane	2.79	94	50448	42.967	ug/l	92
6) Chloroethane	2.93	64	47769	40.503	ug/l	98
7) Trichlorofluoromethane	3.26	101	58535	45.938	ug/l	99
8) Diethyl Ether	3.68	74	30680	42.591	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58221	46.021	ug/l	97
10) Methyl Iodide	4.26	142	84792	45.988	ug/l	100
11) Tert butyl alcohol	5.22	59	14268	174.479	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	55711	44.854	ug/l	97
13) Acrolein	3.90	56	17155	201.856	ug/l	96
14) Allyl chloride	4.67	41	98596	43.722	ug/l	98
15) Acrylonitrile	5.38	53	57345	209.102	ug/l	100
16) Acetone	4.13	43	61453	269.883	ug/l	98
17) Carbon Disulfide	4.37	76	172686	44.506	ug/l	99
18) Methyl Acetate	4.67	43	35302	43.818	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	82814	41.013	ug/l	97
20) Methylene Chloride	4.91	84	59647	47.262	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	62653	46.418	ug/l	91
22) Diisopropyl ether	6.31	45	193550	45.003	ug/l	98
23) Vinyl Acetate	6.26	43	489483	216.703	ug/l	98
24) 1,1-Dichloroethane	6.21	63	114780	45.804	ug/l	97
25) 2-Butanone	7.18	43	77552	218.661	ug/l	100
26) 2,2-Dichloropropane	7.16	77	76374	44.981	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	67522	45.851	ug/l	96
28) Bromochloromethane	7.51	49	44400	44.796	ug/l	93
29) Tetrahydrofuran	7.54	42	48918	206.481	ug/l	100
30) Chloroform	7.68	83	114002	47.795	ug/l	98
31) Cyclohexane	7.95	56	112400	41.899	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98068	47.252	ug/l	100
36) 1,1-Dichloropropene	8.08	75	93650	50.548	ug/l	98
37) Ethyl Acetate	7.25	43	31537	42.489	ug/l	99
38) Carbon Tetrachloride	8.07	117	90638	53.451	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115385	49.117	ug/l	96
40) Benzene	8.32	78	260315	51.803	ug/l	100
41) Methacrylonitrile	7.48	41	18981	40.482	ug/l	95
42) 1,2-Dichloroethane	8.40	62	67649	47.865	ug/l	97
43) Isopropyl Acetate	8.42	43	64822	43.679	ug/l	98
44) Trichloroethene	9.09	130	68529	53.274	ug/l	99
45) 1,2-Dichloropropane	9.37	63	64663	51.897	ug/l	96
46) Dibromomethane	9.46	93	30815	50.358	ug/l	93
47) Bromodichloromethane	9.65	83	81486	52.444	ug/l	99
48) Methyl methacrylate	9.43	41	32849	46.910	ug/l	97
49) 1,4-Dioxane	9.48	88	9043	918.938	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	158639	220.836	ug/l	99
52) Toluene	10.39	92	166709	51.947	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79804	49.377	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	95403	49.779	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43686	50.849	ug/l	98
56) Ethyl methacrylate	10.65	69	51801	48.687	ug/l	97
57) 1,3-Dichloropropane	10.93	76	78541	49.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	124471	226.481	ug/l	97
59) 2-Hexanone	10.97	43	118181	243.278	ug/l	98
60) Dibromochloromethane	11.13	129	53174	56.363	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41796	51.271	ug/l	99
64) Tetrachloroethene	10.86	164	58483	54.519	ug/l	96
65) Chlorobenzene	11.66	112	178526	51.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61778	54.391	ug/l	98
67) Ethyl Benzene	11.73	91	322297	50.441	ug/l	99
68) m/p-Xylenes	11.84	106	250518	102.722	ug/l	98
69) o-Xylene	12.17	106	116281	51.487	ug/l	96
70) Styrene	12.18	104	185437	52.421	ug/l	98
71) Bromoform	12.35	173	28525	56.115	ug/l #	97
73) Isopropylbenzene	12.47	105	323579	49.428	ug/l	99
74) N-amyl acetate	12.27	43	60638	41.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47596	45.422	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35625m	46.866	ug/l	
77) Bromobenzene	12.75	156	70895	51.252	ug/l	88
78) n-propylbenzene	12.81	91	389541	48.563	ug/l	99
79) 2-Chlorotoluene	12.90	91	212579	47.502	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	262477	48.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14621	44.791	ug/l	99
82) 4-Chlorotoluene	12.99	91	223824	47.488	ug/l	98
83) tert-Butylbenzene	13.21	119	235319	49.444	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	264605	47.690	ug/l	99
85) sec-Butylbenzene	13.39	105	336849	48.317	ug/l	98
86) p-Isopropyltoluene	13.50	119	294182	48.865	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	143300	51.069	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	141066	50.108	ug/l	98
89) n-Butylbenzene	13.83	91	283227	48.034	ug/l	99
90) Hexachloroethane	14.10	117	52465	51.594	ug/l	88
91) 1,2-Dichlorobenzene	13.88	146	122934	49.851	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6885	40.828	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	86000	52.527	ug/l	96
94) Hexachlorobutadiene	15.24	225	50176	57.258	ug/l	98
95) Naphthalene	15.37	128	142616	46.651	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	73516	52.673	ug/l	97

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

