

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
 Data File : VW008364.D
 Acq On : 18 Jan 2019 19:15
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:09:50 AM

Quant Time: Jan 19 04:41:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	128062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	211875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	64053	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	65936	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.32	98	262513	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	92160	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43697	54.153	ug/l	94
3) Chloromethane	2.21	50	58486	49.445	ug/l	97
4) Vinyl Chloride	2.37	62	79251	52.437	ug/l	92
5) Bromomethane	2.78	94	59047	51.553	ug/l	94
6) Chloroethane	2.93	64	53638	54.221	ug/l	97
7) Trichlorofluoromethane	3.26	101	61474	55.396	ug/l	97
8) Diethyl Ether	3.67	74	36546	47.492	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	65977	51.067	ug/l	94
10) Methyl Iodide	4.27	142	98494	47.269	ug/l	99
11) Tert butyl alcohol	5.17	59	20803	231.935	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	64379	48.994	ug/l	97
13) Acrolein	3.89	56	24149	259.679	ug/l	90
14) Allyl chloride	4.66	41	111233	50.636	ug/l	99
15) Acrylonitrile	5.37	53	73810	249.697	ug/l	99
16) Acetone	4.12	43	64750	209.296	ug/l	96
17) Carbon Disulfide	4.37	76	203039	50.780	ug/l	99
18) Methyl Acetate	4.67	43	39596	47.914	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	101097	50.260	ug/l	98
20) Methylene Chloride	4.91	84	71426	49.740	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	75224	50.970	ug/l	92
22) Diisopropyl ether	6.31	45	224777	52.411	ug/l	96
23) Vinyl Acetate	6.25	43	612805	267.306	ug/l	99
24) 1,1-Dichloroethane	6.21	63	132448	50.721	ug/l	99
25) 2-Butanone	7.17	43	97975	247.259	ug/l	95
26) 2,2-Dichloropropane	7.16	77	79378	47.633	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	80518	50.356	ug/l	98
28) Bromochloromethane	7.51	49	56816	52.810	ug/l #	97
29) Tetrahydrofuran	7.53	42	62201	251.801	ug/l	100
30) Chloroform	7.67	83	132564	51.308	ug/l	100
31) Cyclohexane	7.95	56	125531	50.454	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	110574	50.994	ug/l	99
36) 1,1-Dichloropropene	8.08	75	108919	51.096	ug/l	99
37) Ethyl Acetate	7.26	43	40359	45.913	ug/l	98
38) Carbon Tetrachloride	8.07	117	104391	49.594	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	137324	54.159	ug/l	96
40) Benzene	8.32	78	306752	50.801	ug/l	99
41) Methacrylonitrile	7.49	41	24335	47.555	ug/l	97
42) 1,2-Dichloroethane	8.40	62	82322	48.756	ug/l	99
43) Isopropyl Acetate	8.42	43	80468	48.462	ug/l	99
44) Trichloroethene	9.09	130	81122	49.037	ug/l	93
45) 1,2-Dichloropropane	9.37	63	76704	51.140	ug/l	97
46) Dibromomethane	9.46	93	38414	49.140	ug/l	94
47) Bromodichloromethane	9.64	83	97600	50.615	ug/l	97
48) Methyl methacrylate	9.44	41	40030	51.211	ug/l	98
49) 1,4-Dioxane	9.44	88	13028	1035.255	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	215327	256.105	ug/l	99
52) Toluene	10.39	92	202147	52.901	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	100016	51.969	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	117148	51.636	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	54943	50.673	ug/l	98
56) Ethyl methacrylate	10.65	69	66668	52.356	ug/l	99
57) 1,3-Dichloropropane	10.93	76	97574	51.829	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	161121	262.319	ug/l	100
59) 2-Hexanone	10.97	43	151401	257.004	ug/l	99
60) Dibromochloromethane	11.13	129	66642	51.499	ug/l	99
61) 1,2-Dibromoethane	11.24	107	53175	50.646	ug/l	97
64) Tetrachloroethene	10.86	164	67446	48.565	ug/l	95
65) Chlorobenzene	11.66	112	216530	50.120	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	75362	50.684	ug/l	98
67) Ethyl Benzene	11.73	91	384986	51.322	ug/l	99
68) m/p-Xylenes	11.84	106	303387	104.200	ug/l	99
69) o-Xylene	12.17	106	140791	51.758	ug/l	99
70) Styrene	12.18	104	228804	52.366	ug/l	99
71) Bromoform	12.35	173	35437	47.842	ug/l #	100
73) Isopropylbenzene	12.47	105	387884	53.059	ug/l	99
74) N-amyl acetate	12.27	43	79025	50.442	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	60960	49.025	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	45580m	49.886	ug/l	
77) Bromobenzene	12.75	156	86990	49.540	ug/l	97
78) n-propylbenzene	12.81	91	465582	52.617	ug/l	99
79) 2-Chlorotoluene	12.90	91	261586	51.742	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	322713	52.900	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	18240	47.641	ug/l	99
82) 4-Chlorotoluene	12.99	91	273257	51.724	ug/l	98
83) tert-Butylbenzene	13.21	119	273453	50.929	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	320613	51.591	ug/l	98
85) sec-Butylbenzene	13.39	105	395688	51.328	ug/l	99
86) p-Isopropyltoluene	13.51	119	360552	53.549	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	174401	49.987	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	171639	49.104	ug/l	98
89) n-Butylbenzene	13.83	91	346769	53.691	ug/l	100
90) Hexachloroethane	14.10	117	64254	51.566	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	151720	49.254	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9961	48.991	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	101815	48.827	ug/l	97
94) Hexachlorobutadiene	15.24	225	55871	47.542	ug/l	98
95) Naphthalene	15.38	128	180202	46.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	87597	48.229	ug/l	100

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

