

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040419\
 Data File : VW009686.D
 Acq On : 04 Apr 2019 10:12
 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

mohammad
 4/5/2019 3:50:58 PM

Quant Time: Apr 05 08:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	340418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	469330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	244662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	203837	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.88	113	175651	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.32	98	664124	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
62) 4-Bromofluorobenzene	12.62	95	249620	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	112441	53.802	ug/l	98
3) Chloromethane	2.21	50	124461	43.401	ug/l	96
4) Vinyl Chloride	2.37	62	179963	46.987	ug/l	98
5) Bromomethane	2.78	94	127278	43.074	ug/l	98
6) Chloroethane	2.93	64	128424	45.277	ug/l	95
7) Trichlorofluoromethane	3.26	101	129793	49.598	ug/l	95
8) Diethyl Ether	3.67	74	85546	48.684	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	185815	52.922	ug/l	95
10) Methyl Iodide	4.26	142	248980	51.970	ug/l	96
11) Tert butyl alcohol	5.17	59	59638	264.229	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	171378	52.158	ug/l	97
13) Acrolein	3.89	56	43777	264.441	ug/l	96
14) Allyl chloride	4.65	41	304520	57.944	ug/l	97
15) Acrylonitrile	5.36	53	205929	256.390	ug/l	100
16) Acetone	4.12	43	262792	300.253	ug/l	95
17) Carbon Disulfide	4.37	76	467919	50.048	ug/l	99
18) Methyl Acetate	4.67	43	110513	52.235	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	258090	56.476	ug/l	97
20) Methylene Chloride	4.91	84	181186	53.000	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	181325	51.976	ug/l	92
22) Diisopropyl ether	6.31	45	617675	54.422	ug/l	97
23) Vinyl Acetate	6.25	43	1907363	269.385	ug/l	99
24) 1,1-Dichloroethane	6.21	63	359312	52.598	ug/l	99
25) 2-Butanone	7.17	43	321165	265.541	ug/l	97
26) 2,2-Dichloropropane	7.16	77	226755	58.058	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	203040	53.292	ug/l	94
28) Bromochloromethane	7.51	49	152899	51.653	ug/l #	93
29) Tetrahydrofuran	7.52	42	190024	253.025	ug/l	98
30) Chloroform	7.67	83	371893	52.563	ug/l	100
31) Cyclohexane	7.95	56	327406	51.122	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	315327	55.052	ug/l	97
36) 1,1-Dichloropropene	8.08	75	290199	53.883	ug/l	99
37) Ethyl Acetate	7.25	43	132014	51.594	ug/l	99
38) Carbon Tetrachloride	8.06	117	300360	54.427	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	343648	55.859	ug/l	97
40) Benzene	8.32	78	763404	52.331	ug/l	100
41) Methacrylonitrile	7.48	41	72568	44.056	ug/l	98
42) 1,2-Dichloroethane	8.40	62	260608	52.401	ug/l	98
43) Isopropyl Acetate	8.42	43	261544	52.157	ug/l	99
44) Trichloroethene	9.09	130	200505	53.090	ug/l	92
45) 1,2-Dichloropropane	9.37	63	192359	51.516	ug/l	97
46) Dibromomethane	9.46	93	100371	49.620	ug/l	97
47) Bromodichloromethane	9.64	83	269987	52.325	ug/l	99
48) Methyl methacrylate	9.43	41	125445	53.366	ug/l	95
49) 1,4-Dioxane	9.45	88	31289	1038.703	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	678885	253.034	ug/l	100
52) Toluene	10.38	92	489460	53.577	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	273969	54.227	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	305497	54.536	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	139416	50.990	ug/l	98
56) Ethyl methacrylate	10.65	69	182133	48.242	ug/l	95
57) 1,3-Dichloropropane	10.93	76	252431	52.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	443267	243.414	ug/l	98
59) 2-Hexanone	10.97	43	502353	270.546	ug/l	99
60) Dibromochloromethane	11.13	129	170261	51.572	ug/l	98
61) 1,2-Dibromoethane	11.23	107	133663	50.979	ug/l	100
64) Tetrachloroethene	10.86	164	166664	52.301	ug/l	96
65) Chlorobenzene	11.66	112	529089	53.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	192968	53.579	ug/l	99
67) Ethyl Benzene	11.73	91	999623	57.400	ug/l	99
68) m/p-Xylenes	11.84	106	751376	113.628	ug/l	99
69) o-Xylene	12.16	106	346199	56.219	ug/l	97
70) Styrene	12.18	104	572777	55.686	ug/l	99
71) Bromoform	12.35	173	101060	52.141	ug/l #	98
73) Isopropylbenzene	12.46	105	1015994	59.671	ug/l	100
74) N-amyl acetate	12.27	43	246802	54.984	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	165728	51.469	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	121904m	52.984	ug/l	
77) Bromobenzene	12.75	156	214410	54.683	ug/l	95
78) n-propylbenzene	12.80	91	1239954	59.058	ug/l	100
79) 2-Chlorotoluene	12.89	91	692141	58.008	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	850131	59.288	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	54202	54.784	ug/l	97
82) 4-Chlorotoluene	12.99	91	725118	57.745	ug/l	98
83) tert-Butylbenzene	13.21	119	730227	59.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	860978	58.408	ug/l	98
85) sec-Butylbenzene	13.38	105	1083110	58.816	ug/l	98
86) p-Isopropyltoluene	13.50	119	947299	59.142	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	443917	54.833	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	433928	53.662	ug/l	99
89) n-Butylbenzene	13.83	91	930583	58.860	ug/l	99
90) Hexachloroethane	14.10	117	174444	56.874	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	393451	54.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31186	53.054	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	263350	56.486	ug/l	99
94) Hexachlorobutadiene	15.24	225	161358	53.892	ug/l	99
95) Naphthalene	15.37	128	479911	50.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	226090	54.278	ug/l	99

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

