

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008497.D
 Acq On : 04 Feb 2019 10:07
 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
 2/5/2019 10:42:48 AM

Quant Time: Feb 05 03:17:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	398014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	606663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	529525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	267630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	194851	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	7.88	113	192366	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.32	98	743443	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.62	95	267512	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	105525	46.147	ug/l	99
3) Chloromethane	2.21	50	145345	44.737	ug/l	98
4) Vinyl Chloride	2.36	62	205040	49.577	ug/l	97
5) Bromomethane	2.78	94	159965	59.966	ug/l	95
6) Chloroethane	2.92	64	143832	56.866	ug/l	93
7) Trichlorofluoromethane	3.25	101	166232	46.569	ug/l	99
8) Diethyl Ether	3.67	74	98651	49.701	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	193384	53.720	ug/l	97
10) Methyl Iodide	4.26	142	298175	52.440	ug/l	100
11) Tert butyl alcohol	5.19	59	63828	202.752	ug/l	94
12) 1,1-Dichloroethene	4.02	96	190494	52.289	ug/l	96
13) Acrolein	3.89	56	56518	204.263	ug/l	98
14) Allyl chloride	4.65	41	327083	47.281	ug/l	96
15) Acrylonitrile	5.36	53	201689	235.318	ug/l	100
16) Acetone	4.13	43	230874	262.932	ug/l	97
17) Carbon Disulfide	4.37	76	537400	46.187	ug/l	98
18) Methyl Acetate	4.67	43	112593	48.075	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	298517	49.524	ug/l	97
20) Methylene Chloride	4.90	84	186980	46.201	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	208284	50.854	ug/l	96
22) Diisopropyl ether	6.31	45	610687	46.578	ug/l	99
23) Vinyl Acetate	6.25	43	1776126	229.421	ug/l	98
24) 1,1-Dichloroethane	6.21	63	369152	49.742	ug/l	99
25) 2-Butanone	7.17	43	295475	242.266	ug/l	99
26) 2,2-Dichloropropane	7.16	77	253135	50.461	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	224054	50.195	ug/l	98
28) Bromochloromethane	7.51	49	151627	44.483	ug/l	95
29) Tetrahydrofuran	7.53	42	169844	219.755	ug/l	97
30) Chloroform	7.67	83	367928	50.404	ug/l	98
31) Cyclohexane	7.95	56	336033	43.789	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	322610	51.168	ug/l	99
36) 1,1-Dichloropropene	8.07	75	299210	52.213	ug/l	98
37) Ethyl Acetate	7.25	43	122385	48.271	ug/l	99
38) Carbon Tetrachloride	8.06	117	316127	54.820	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	366308	48.658	ug/l	99
40) Benzene	8.32	78	811743	51.048	ug/l	99
41) Methacrylonitrile	7.48	41	74350	49.526	ug/l	99
42) 1,2-Dichloroethane	8.40	62	234004	50.779	ug/l	99
43) Isopropyl Acetate	8.42	43	248526	47.182	ug/l	96
44) Trichloroethene	9.09	130	233120	53.910	ug/l	98
45) 1,2-Dichloropropane	9.37	63	199953	50.431	ug/l	100
46) Dibromomethane	9.46	93	103279	50.644	ug/l	96
47) Bromodichloromethane	9.64	83	280499	52.002	ug/l	98
48) Methyl methacrylate	9.43	41	116838	45.365	ug/l	97
49) 1,4-Dioxane	9.46	88	32454	941.504	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	603978	232.100	ug/l	99
52) Toluene	10.38	92	525834	50.094	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	285308	49.709	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	330625	50.760	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	144691	51.153	ug/l	96
56) Ethyl methacrylate	10.65	69	185096	46.700	ug/l	98
57) 1,3-Dichloropropane	10.93	76	251975	49.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	474463	246.378	ug/l	97
59) 2-Hexanone	10.97	43	467147	254.290	ug/l	100
60) Dibromochloromethane	11.13	129	189531	52.140	ug/l	99
61) 1,2-Dibromoethane	11.23	107	140179	49.980	ug/l	99
64) Tetrachloroethene	10.86	164	192193	53.607	ug/l	98
65) Chlorobenzene	11.66	112	577270	53.404	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	205543	53.147	ug/l	98
67) Ethyl Benzene	11.73	91	1033126	51.995	ug/l	97
68) m/p-Xylenes	11.84	106	794491	103.056	ug/l	98
69) o-Xylene	12.16	106	374107	51.073	ug/l	98
70) Styrene	12.18	104	604650	49.973	ug/l	98
71) Bromoform	12.35	173	113934	52.360	ug/l #	99
73) Isopropylbenzene	12.46	105	1055981	52.925	ug/l	100
74) N-amyl acetate	12.27	43	239470	46.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	162840	51.550	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	115032m	49.437	ug/l	
77) Bromobenzene	12.75	156	232866	53.441	ug/l	94
78) n-propylbenzene	12.80	91	1251696	52.232	ug/l	99
79) 2-Chlorotoluene	12.90	91	694784	51.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	860810	51.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	57705	48.981	ug/l	96
82) 4-Chlorotoluene	12.99	91	725532	50.393	ug/l	98
83) tert-Butylbenzene	13.21	119	763526	51.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	875599	51.656	ug/l	100
85) sec-Butylbenzene	13.38	105	1110042	52.375	ug/l	99
86) p-Isopropyltoluene	13.50	119	993298	53.504	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	467126	53.082	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	460759	52.684	ug/l	99
89) n-Butylbenzene	13.83	91	946069	51.902	ug/l	99
90) Hexachloroethane	14.10	117	193717	53.357	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	407920	52.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28362	47.321	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	297726	53.581	ug/l	99
94) Hexachlorobutadiene	15.24	225	185145	55.288	ug/l	99
95) Naphthalene	15.37	128	511738	52.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	250513	53.148	ug/l	98

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

