

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010524.D
 Acq On : 23 May 2019 12:22
 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
 5/24/2019 10:44:17 PM

Quant Time: May 24 08:48:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	136614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	235103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	60069	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	
35) Dibromofluoromethane	7.88	113	66533	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
50) Toluene-d8	10.32	98	255792	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.62	95	95530	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64138	52.714	ug/l	100
3) Chloromethane	2.21	50	74004	51.558	ug/l	98
4) Vinyl Chloride	2.35	62	78648	47.304	ug/l	99
5) Bromomethane	2.76	94	55392	48.428	ug/l	99
6) Chloroethane	2.92	64	53292	49.932	ug/l	95
7) Trichlorofluoromethane	3.26	101	134938	54.973	ug/l	96
8) Diethyl Ether	3.68	74	40379	51.894	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83464	55.213	ug/l	98
10) Methyl Iodide	4.27	142	102372	59.249	ug/l	97
11) Tert butyl alcohol	5.17	59	27813	219.283	ug/l	97
12) 1,1-Dichloroethene	4.04	96	80384	55.706	ug/l	98
13) Acrolein	3.89	56	22016	302.583	ug/l	97
14) Allyl chloride	4.67	41	111743	53.498	ug/l	98
15) Acrylonitrile	5.37	53	73634	225.962	ug/l	100
16) Acetone	4.12	43	77491	269.225	ug/l	98
17) Carbon Disulfide	4.38	76	233659	54.288	ug/l	100
18) Methyl Acetate	4.67	43	30685	43.590	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	187168	50.879	ug/l	97
20) Methylene Chloride	4.92	84	82747	48.883	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	93557	56.524	ug/l	98
22) Diisopropyl ether	6.31	45	226530	52.892	ug/l	98
23) Vinyl Acetate	6.25	43	646857	252.841	ug/l	99
24) 1,1-Dichloroethane	6.21	63	142580	55.786	ug/l	97
25) 2-Butanone	7.17	43	99661	241.947	ug/l	99
26) 2,2-Dichloropropane	7.16	77	143489	58.938	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	102646	57.043	ug/l	99
28) Bromochloromethane	7.51	49	44664	48.809	ug/l	93
29) Tetrahydrofuran	7.53	42	59076	211.946	ug/l	98
30) Chloroform	7.67	83	154849	56.169	ug/l	95
31) Cyclohexane	7.95	56	133408	49.831	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	148412	56.325	ug/l	99
36) 1,1-Dichloropropene	8.08	75	121356	55.411	ug/l	99
37) Ethyl Acetate	7.25	43	42304	45.423	ug/l	99
38) Carbon Tetrachloride	8.07	117	133454	56.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	161306	54.974	ug/l	99
40) Benzene	8.32	78	347139	57.027	ug/l	99
41) Methacrylonitrile	7.48	41	24436	44.158	ug/l	98
42) 1,2-Dichloroethane	8.40	62	92726	53.297	ug/l	99
43) Isopropyl Acetate	8.42	43	84187	45.247	ug/l	98
44) Trichloroethene	9.09	130	103956	57.524	ug/l	98
45) 1,2-Dichloropropane	9.37	63	80475	55.665	ug/l	98
46) Dibromomethane	9.46	93	44901	53.107	ug/l	98
47) Bromodichloromethane	9.65	83	115888	54.544	ug/l	97
48) Methyl methacrylate	9.43	41	41174	48.371	ug/l	97
49) 1,4-Dioxane	9.45	88	11153	807.516	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	211114	223.920	ug/l	98
52) Toluene	10.39	92	234379	57.333	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	115193	53.533	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	136756	55.648	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	64772	53.275	ug/l	98
56) Ethyl methacrylate	10.65	69	80480	47.996	ug/l	98
57) 1,3-Dichloropropane	10.93	76	106742	52.413	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	169115	227.700	ug/l	98
59) 2-Hexanone	10.97	43	151078	224.634	ug/l	98
60) Dibromochloromethane	11.13	129	83796	54.458	ug/l	100
61) 1,2-Dibromoethane	11.24	107	63879	51.866	ug/l	98
64) Tetrachloroethene	10.86	164	83324	57.205	ug/l	99
65) Chlorobenzene	11.66	112	254604	57.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	90076	56.465	ug/l	99
67) Ethyl Benzene	11.73	91	439033	55.840	ug/l	99
68) m/p-Xylenes	11.84	106	348574	113.031	ug/l	99
69) o-Xylene	12.16	106	163295	55.889	ug/l	99
70) Styrene	12.18	104	275157	55.503	ug/l	100
71) Bromoform	12.35	173	44600	50.770	ug/l #	100
73) Isopropylbenzene	12.47	105	443613	57.183	ug/l	100
74) N-amyl acetate	12.27	43	77541	43.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	69052	48.937	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	47747m	48.115	ug/l	
77) Bromobenzene	12.75	156	101063	58.214	ug/l	95
78) n-propylbenzene	12.80	91	509903	56.400	ug/l	99
79) 2-Chlorotoluene	12.90	91	296161	56.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	372837	56.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22792	47.934	ug/l	98
82) 4-Chlorotoluene	12.99	91	306375	56.299	ug/l	99
83) tert-Butylbenzene	13.21	119	320992	55.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	365831	55.904	ug/l	100
85) sec-Butylbenzene	13.38	105	446543	55.597	ug/l	99
86) p-Isopropyltoluene	13.50	119	402108	55.312	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	191951	56.356	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	192911	56.451	ug/l	99
89) n-Butylbenzene	13.83	91	373656	54.036	ug/l	99
90) Hexachloroethane	14.10	117	79335	56.381	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	172878	55.705	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11300	43.068	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	112967	53.500	ug/l	99
94) Hexachlorobutadiene	15.24	225	61158	54.216	ug/l	99
95) Naphthalene	15.37	128	206826	46.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	93551	51.489	ug/l	99

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

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