

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009253.D
 Acq On : 19 Mar 2019 21:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 4.01G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:10 AM

Quant Time: Mar 20 08:12:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	167444	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.88	113	143393	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.32	98	536148	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	206522	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66296	37.025	ug/l	97
3) Chloromethane	2.22	50	111498	51.408	ug/l	99
4) Vinyl Chloride	2.37	62	153008	48.066	ug/l	100
5) Bromomethane	2.78	94	119818	46.154	ug/l	93
6) Chloroethane	2.93	64	117357	47.518	ug/l	99
7) Trichlorofluoromethane	3.26	101	96955	46.494	ug/l	99
8) Diethyl Ether	3.67	74	82410	54.797	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133890	44.323	ug/l	98
10) Methyl Iodide	4.28	142	207660	47.687	ug/l	97
11) Tert butyl alcohol	5.18	59	52247	282.778	ug/l	98
12) 1,1-Dichloroethene	4.04	96	128666	45.059	ug/l	93
13) Acrolein	3.89	56	37899	251.302	ug/l	96
14) Allyl chloride	4.65	41	214436	50.939	ug/l	97
15) Acrylonitrile	5.36	53	169438	268.081	ug/l	99
16) Acetone	4.12	43	161504	247.347	ug/l	92
17) Carbon Disulfide	4.38	76	353350	44.388	ug/l	96
18) Methyl Acetate	4.67	43	90805	54.188	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	201633	57.534	ug/l	100
20) Methylene Chloride	4.92	84	143838	52.843	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	140809	47.930	ug/l	93
22) Diisopropyl ether	6.31	45	483643	53.293	ug/l	97
23) Vinyl Acetate	6.25	43	1553524	272.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272015	48.567	ug/l	98
25) 2-Butanone	7.17	43	254217	271.717	ug/l	100
26) 2,2-Dichloropropane	7.17	77	145765	46.579	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	162093	50.929	ug/l	99
28) Bromochloromethane	7.51	49	132290	53.850	ug/l	97
29) Tetrahydrofuran	7.52	42	166122	279.344	ug/l	99
30) Chloroform	7.67	83	287010	49.251	ug/l	98
31) Cyclohexane	7.95	56	233794	44.774	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	226074	48.601	ug/l	98
36) 1,1-Dichloropropene	8.08	75	212819	45.213	ug/l	99
37) Ethyl Acetate	7.25	43	113765	52.966	ug/l	99
38) Carbon Tetrachloride	8.07	117	221937	44.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	249993	45.905	ug/l	99
40) Benzene	8.32	78	602386	47.193	ug/l	99
41) Methacrylonitrile	7.48	41	68795	59.427	ug/l	91
42) 1,2-Dichloroethane	8.40	62	205147	49.166	ug/l	100
43) Isopropyl Acetate	8.42	43	224945	52.301	ug/l	99
44) Trichloroethene	9.09	130	156331	44.708	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154961	47.756	ug/l	95
46) Dibromomethane	9.46	93	87955	49.293	ug/l	97
47) Bromodichloromethane	9.64	83	219473	48.674	ug/l	96
48) Methyl methacrylate	9.43	41	106170	53.318	ug/l	99
49) 1,4-Dioxane	9.45	88	29996	1083.816	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	599762	267.573	ug/l	100
52) Toluene	10.38	92	381893	47.218	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	222376	50.575	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	246117	49.754	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	118872	49.199	ug/l	96
56) Ethyl methacrylate	10.65	69	158354	55.041	ug/l	97
57) 1,3-Dichloropropane	10.93	76	208009	49.915	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	430018	510.824	ug/l	99
59) 2-Hexanone	10.97	43	417204	274.162	ug/l	98
60) Dibromochloromethane	11.13	129	146068	48.932	ug/l	98
61) 1,2-Dibromoethane	11.23	107	117594	51.101	ug/l	98
64) Tetrachloroethene	10.86	164	139907	46.089	ug/l	96
65) Chlorobenzene	11.66	112	426641	46.541	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	159147	46.479	ug/l	99
67) Ethyl Benzene	11.73	91	756314	47.633	ug/l	99
68) m/p-Xylenes	11.84	106	585732	95.174	ug/l	100
69) o-Xylene	12.16	106	280939	49.159	ug/l	98
70) Styrene	12.18	104	470102	49.890	ug/l	99
71) Bromoform	12.35	173	91157	48.740	ug/l #	99
73) Isopropylbenzene	12.46	105	779575	49.008	ug/l	100
74) N-amyl acetate	12.27	43	224036	53.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	151463	50.903	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	105190m	47.034	ug/l	
77) Bromobenzene	12.75	156	181762	48.240	ug/l	99
78) n-propylbenzene	12.80	91	944268	48.334	ug/l	99
79) 2-Chlorotoluene	12.89	91	539049	48.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	673525	49.789	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45993	50.461	ug/l	96
82) 4-Chlorotoluene	12.99	91	571182	48.853	ug/l	100
83) tert-Butylbenzene	13.21	119	584119	50.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	690622	49.799	ug/l	100
85) sec-Butylbenzene	13.38	105	842806	49.337	ug/l	99
86) p-Isopropyltoluene	13.50	119	748662	49.216	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	370769	47.552	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	366314	47.184	ug/l	100
89) n-Butylbenzene	13.82	91	719540	49.276	ug/l	99
90) Hexachloroethane	14.10	117	143696	47.912	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	340366	48.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27118	50.897	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	233486	49.725	ug/l	99
94) Hexachlorobutadiene	15.24	225	137704	46.109	ug/l	100
95) Naphthalene	15.37	128	451187	55.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	209440	49.968	ug/l	100

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

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