

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008495.D
 Acq On : 01 Feb 2019 21:17
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:34:05 PM

Quant Time: Feb 02 03:47:14 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	336606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242537	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	189298	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
35) Dibromofluoromethane	7.88	113	180821	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	
50) Toluene-d8	10.32	98	670053	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.62	95	249200	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	85960	44.569	ug/l	100
3) Chloromethane	2.21	50	124917	45.464	ug/l	99
4) Vinyl Chloride	2.37	62	163736	46.813	ug/l	95
5) Bromomethane	2.78	94	135247	59.950	ug/l	97
6) Chloroethane	2.92	64	122040	57.053	ug/l	99
7) Trichlorofluoromethane	3.25	101	130909	43.689	ug/l	97
8) Diethyl Ether	3.67	74	96813	57.673	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	165592	54.391	ug/l	97
10) Methyl Iodide	4.26	142	273198	56.813	ug/l	98
11) Tert butyl alcohol	5.18	59	76443	287.122	ug/l	99
12) 1,1-Dichloroethene	4.03	96	162626	52.783	ug/l	96
13) Acrolein	3.89	56	72817	308.989	ug/l	97
14) Allyl chloride	4.66	41	282051	48.209	ug/l	98
15) Acrylonitrile	5.36	53	217297	299.780	ug/l	99
16) Acetone	4.12	43	185690	250.054	ug/l	95
17) Carbon Disulfide	4.37	76	457379	46.481	ug/l	98
18) Methyl Acetate	4.67	43	121751	61.470	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	312427	61.288	ug/l	98
20) Methylene Chloride	4.91	84	183480	53.607	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	179093	51.704	ug/l	96
22) Diisopropyl ether	6.31	45	572023	51.588	ug/l	98
23) Vinyl Acetate	6.25	43	1774232	270.985	ug/l	98
24) 1,1-Dichloroethane	6.21	63	325576	51.873	ug/l	99
25) 2-Butanone	7.17	43	297049	287.990	ug/l	98
26) 2,2-Dichloropropane	7.16	77	199448	47.012	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	205464	54.427	ug/l	96
28) Bromochloromethane	7.51	49	148227	51.418	ug/l	93
29) Tetrahydrofuran	7.52	42	195482	299.069	ug/l	96
30) Chloroform	7.67	83	336487	54.506	ug/l	100
31) Cyclohexane	7.95	56	274564	42.306	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	276123	51.785	ug/l	98
36) 1,1-Dichloropropene	8.08	75	250585	50.167	ug/l	98
37) Ethyl Acetate	7.25	43	135017	61.095	ug/l	98
38) Carbon Tetrachloride	8.06	117	265197	52.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	309744	47.204	ug/l	97
40) Benzene	8.32	78	728256	52.542	ug/l	99
41) Methacrylonitrile	7.48	41	70734	54.056	ug/l	89
42) 1,2-Dichloroethane	8.40	62	230742	57.445	ug/l	100
43) Isopropyl Acetate	8.42	43	273741	59.623	ug/l	98
44) Trichloroethene	9.09	130	204782	54.331	ug/l	99
45) 1,2-Dichloropropane	9.37	63	183615	53.130	ug/l	96
46) Dibromomethane	9.46	93	105441	59.319	ug/l	97
47) Bromodichloromethane	9.64	83	261600	55.640	ug/l	100
48) Methyl methacrylate	9.43	41	125066	55.710	ug/l	93
49) 1,4-Dioxane	9.45	88	34332	1142.656	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	686599	302.706	ug/l	99
52) Toluene	10.38	92	467860	51.134	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	269168	53.803	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	301210	53.054	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	146774	59.530	ug/l	98
56) Ethyl methacrylate	10.65	69	198271	57.391	ug/l	97
57) 1,3-Dichloropropane	10.93	76	256597	58.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	495287	295.066	ug/l	96
59) 2-Hexanone	10.97	43	477325	298.093	ug/l	100
60) Dibromochloromethane	11.13	129	187818	59.278	ug/l	98
61) 1,2-Dibromoethane	11.23	107	145040	59.328	ug/l	100
64) Tetrachloroethene	10.86	164	179625	55.169	ug/l	98
65) Chlorobenzene	11.66	112	528857	53.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	194451	55.364	ug/l	99
67) Ethyl Benzene	11.73	91	907028	50.266	ug/l	98
68) m/p-Xylenes	11.84	106	705511	100.770	ug/l	97
69) o-Xylene	12.16	106	340006	51.112	ug/l	97
70) Styrene	12.18	104	561272	51.080	ug/l	98
71) Bromoform	12.35	173	114750	58.069	ug/l #	100
73) Isopropylbenzene	12.46	105	917270	50.729	ug/l	99
74) N-amyl acetate	12.27	43	257518	55.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	173099	60.468	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	121423m	57.582	ug/l	
77) Bromobenzene	12.75	156	223902	56.700	ug/l	93
78) n-propylbenzene	12.80	91	1080709	49.763	ug/l	98
79) 2-Chlorotoluene	12.90	91	622412	50.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	766519	50.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	58032	54.355	ug/l	99
82) 4-Chlorotoluene	12.99	91	654182	50.138	ug/l	97
83) tert-Butylbenzene	13.21	119	668987	49.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	784090	51.043	ug/l	100
85) sec-Butylbenzene	13.38	105	961414	50.056	ug/l	100
86) p-Isopropyltoluene	13.50	119	851446	50.608	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	432615	54.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	425162	53.644	ug/l	99
89) n-Butylbenzene	13.83	91	807085	48.858	ug/l	99
90) Hexachloroethane	14.10	117	168168	51.112	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	386121	54.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31864	58.664	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	282089	56.019	ug/l	99
94) Hexachlorobutadiene	15.24	225	161251	53.135	ug/l	99
95) Naphthalene	15.37	128	546102	61.764	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	248458	58.166	ug/l	98

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

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