

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008821.D
 Acq On : 26 Feb 2019 10:38
 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
 2/27/2019 5:20:34 PM

Quant Time: Feb 27 06:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	152023	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	7.88	113	148409	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
50) Toluene-d8	10.32	98	608151	58.63	ug/l	0.00
Spiked Amount			Recovery	=	117.26%	
62) 4-Bromofluorobenzene	12.62	95	225113	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	161480	50.391	ug/l	99
3) Chloromethane	2.21	50	195574	50.137	ug/l	98
4) Vinyl Chloride	2.35	62	200291	48.495	ug/l	99
5) Bromomethane	2.76	94	150074	48.922	ug/l	94
6) Chloroethane	2.92	64	138771	47.317	ug/l	98
7) Trichlorofluoromethane	3.26	101	271511	51.979	ug/l	98
8) Diethyl Ether	3.68	74	73025	44.158	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	164082	51.727	ug/l	99
10) Methyl Iodide	4.27	142	199014	50.173	ug/l	100
11) Tert butyl alcohol	5.18	59	50298	188.272	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	142559	50.889	ug/l	94
13) Acrolein	3.90	56	67283	239.658	ug/l	99
14) Allyl chloride	4.67	41	243140	50.288	ug/l	99
15) Acrylonitrile	5.37	53	157904	222.487	ug/l	99
16) Acetone	4.13	43	185924	267.296	ug/l	99
17) Carbon Disulfide	4.38	76	476046	51.217	ug/l	98
18) Methyl Acetate	4.67	43	70179	42.537	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	345312	45.541	ug/l	94
20) Methylene Chloride	4.92	84	164748	47.862	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160763	49.611	ug/l	98
22) Diisopropyl ether	6.31	45	474435	49.190	ug/l	94
23) Vinyl Acetate	6.26	43	1398023	234.603	ug/l	99
24) 1,1-Dichloroethane	6.21	63	283301	50.689	ug/l	100
25) 2-Butanone	7.17	43	231278	237.828	ug/l	96
26) 2,2-Dichloropropane	7.16	77	266138	52.450	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	171396	49.446	ug/l	99
28) Bromochloromethane	7.51	49	109466	46.804	ug/l	96
29) Tetrahydrofuran	7.53	42	128597	207.509	ug/l	99
30) Chloroform	7.67	83	288342	50.290	ug/l	99
31) Cyclohexane	7.95	56	278378	49.207	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	270932	51.961	ug/l	99
36) 1,1-Dichloropropene	8.08	75	232846	53.449	ug/l	97
37) Ethyl Acetate	7.26	43	89357	44.109	ug/l	98
38) Carbon Tetrachloride	8.06	117	249180	54.237	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295100	54.307	ug/l	97
40) Benzene	8.32	78	628996	52.881	ug/l	99
41) Methacrylonitrile	7.49	41	52662	44.224	ug/l	95
42) 1,2-Dichloroethane	8.40	62	186393	49.469	ug/l	100
43) Isopropyl Acetate	8.42	43	179728	44.452	ug/l	99
44) Trichloroethene	9.09	130	178079	53.146	ug/l	95
45) 1,2-Dichloropropane	9.37	63	151101	51.407	ug/l	98
46) Dibromomethane	9.46	93	79606	48.690	ug/l	98
47) Bromodichloromethane	9.64	83	208528	52.422	ug/l	100
48) Methyl methacrylate	9.43	41	91050	47.019	ug/l	97
49) 1,4-Dioxane	9.46	88	24065	919.140	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	459843	224.016	ug/l	100
52) Toluene	10.38	92	435606	53.962	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	206722	50.986	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	243802	52.723	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	107808	48.623	ug/l	96
56) Ethyl methacrylate	10.65	69	140706	48.845	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194742	49.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	331383	228.727	ug/l	99
59) 2-Hexanone	10.97	43	365897	250.406	ug/l	99
60) Dibromochloromethane	11.13	129	139550	51.601	ug/l	99
61) 1,2-Dibromoethane	11.23	107	107219	48.853	ug/l	98
64) Tetrachloroethene	10.86	164	165708	54.064	ug/l	98
65) Chlorobenzene	11.66	112	481394	53.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	157058	51.591	ug/l	98
67) Ethyl Benzene	11.73	91	881081	54.742	ug/l	99
68) m/p-Xylenes	11.84	106	697640	108.483	ug/l	99
69) o-Xylene	12.16	106	326081	54.022	ug/l	98
70) Styrene	12.18	104	515468	53.081	ug/l	99
71) Bromoform	12.35	173	81192	49.616	ug/l #	98
73) Isopropylbenzene	12.46	105	893581	57.033	ug/l	100
74) N-amyl acetate	12.27	43	182728	46.300	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	125360	48.968	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	87843m	46.553	ug/l	
77) Bromobenzene	12.75	156	200037	54.028	ug/l	99
78) n-propylbenzene	12.80	91	1089425	56.844	ug/l	100
79) 2-Chlorotoluene	12.90	91	601763	55.303	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	757093	55.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40043	51.590	ug/l	96
82) 4-Chlorotoluene	12.99	91	630037	54.945	ug/l	100
83) tert-Butylbenzene	13.21	119	660066	56.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	771264	54.721	ug/l	100
85) sec-Butylbenzene	13.38	105	955305	56.432	ug/l	100
86) p-Isopropyltoluene	13.50	119	855219	55.109	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	415439	54.081	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	407641	53.843	ug/l	100
89) n-Butylbenzene	13.83	91	809276	55.664	ug/l	99
90) Hexachloroethane	14.10	117	148326	58.385	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	360296	52.640	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21504	46.435	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	257298	52.173	ug/l	100
94) Hexachlorobutadiene	15.24	225	166038	57.158	ug/l	100
95) Naphthalene	15.37	128	408318	48.628	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	216901	50.868	ug/l	98

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

