

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007376.D
 Acq On : 11 Dec 2018 01:23
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:55:55 PM

Quant Time: Dec 11 02:42:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 01:34:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	140531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	112846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131935	165.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.22%	
35) Dibromofluoromethane	7.88	113	124776	152.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.14%	
50) Toluene-d8	10.32	98	464651	132.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.22%	
62) 4-Bromofluorobenzene	12.62	95	164325	125.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	250.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	81747	96.290	ug/l	98
3) Chloromethane	2.22	50	70606	68.074	ug/l	99
4) Vinyl Chloride	2.37	62	80464	117.152	ug/l	99
5) Bromomethane	2.78	94	55403	154.104	ug/l	90
6) Chloroethane	2.92	64	47319	122.210	ug/l	100
7) Trichlorofluoromethane	3.26	101	83204	66.419	ug/l	100
8) Diethyl Ether	3.68	74	49842	126.616	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120051	142.336	ug/l	98
10) Methyl Iodide	4.26	142	206897	248.101	ug/l	99
11) Tert butyl alcohol	5.17	59	43529	494.261	ug/l	99
12) 1,1-Dichloroethene	4.03	96	118081	148.461	ug/l	99
13) Acrolein	3.89	56	27317	529.018	ug/l	100
14) Allyl chloride	4.67	41	176770	140.974	ug/l	100
15) Acrylonitrile	5.36	53	121372	748.847	ug/l	99
16) Acetone	4.12	43	110115	632.265	ug/l	99
17) Carbon Disulfide	4.37	76	360369	140.376	ug/l	99
18) Methyl Acetate	4.67	43	59108	141.442	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	171055	97.867	ug/l	99
20) Methylene Chloride	4.91	84	124468	115.730	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131209	147.766	ug/l	94
22) Diisopropyl ether	6.31	45	337837	148.942	ug/l	97
23) Vinyl Acetate	6.25	43	966388	777.306	ug/l	99
24) 1,1-Dichloroethane	6.21	63	225843	153.180	ug/l	98
25) 2-Butanone	7.17	43	149651	715.820	ug/l	99
26) 2,2-Dichloropropane	7.17	77	142691	106.592	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	146978	153.548	ug/l	100
28) Bromochloromethane	7.51	49	85725	158.868	ug/l	98
29) Tetrahydrofuran	7.52	42	93899	718.781	ug/l	97
30) Chloroform	7.68	83	249303	161.116	ug/l	99
31) Cyclohexane	7.95	56	191285	127.481	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	214072	149.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184696	137.240	ug/l	99
37) Ethyl Acetate	7.25	43	67975	139.557	ug/l	98
38) Carbon Tetrachloride	8.07	117	206351	147.831	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	222821	125.046	ug/l	91
40) Benzene	8.32	78	518541	139.495	ug/l	100
41) Methacrylonitrile	7.49	41	40531	139.468	ug/l	98
42) 1,2-Dichloroethane	8.40	62	163634	153.816	ug/l	100
43) Isopropyl Acetate	8.43	43	139178	145.873	ug/l	99
44) Trichloroethene	9.09	130	149742	143.854	ug/l	98
45) 1,2-Dichloropropane	9.37	63	121936	140.817	ug/l	92
46) Dibromomethane	9.46	93	68125	149.228	ug/l	96
47) Bromodichloromethane	9.65	83	183398	152.581	ug/l	94
48) Methyl methacrylate	9.44	41	68901	140.470	ug/l	99
49) 1,4-Dioxane	9.45	88	22212	2829.572	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	319355	687.896	ug/l	100
52) Toluene	10.39	92	339789	132.655	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	177530	148.929	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	204494	146.696	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89906	139.588	ug/l #	89
56) Ethyl methacrylate	10.65	69	115339	139.846	ug/l	98
57) 1,3-Dichloropropane	10.93	76	152721	141.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	277287	800.520	ug/l	99
59) 2-Hexanone	10.97	43	216642	655.193	ug/l	96
60) Dibromochloromethane	11.13	129	120571	151.450	ug/l	98
61) 1,2-Dibromoethane	11.24	107	93039	151.612	ug/l	92
64) Tetrachloroethene	10.86	164	122146	150.692	ug/l	92
65) Chlorobenzene	11.66	112	362148	146.721	ug/l	88
66) 1,1,1,2-Tetrachloroethane	11.73	131	127440	163.553	ug/l	97
67) Ethyl Benzene	11.73	91	620807	138.278	ug/l	99
68) m/p-Xylenes	11.84	106	466372	266.434	ug/l	91
69) o-Xylene	12.17	106	225815	136.947	ug/l	96
70) Styrene	12.18	104	371659	138.766	ug/l	97
71) Bromoform	12.35	173	66897	171.959	ug/l #	99
73) Isopropylbenzene	12.47	105	663527	146.654	ug/l	99
74) N-amyl acetate	12.27	43	123686	155.149	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	91643	151.050	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	61786m	133.988	ug/l	
77) Bromobenzene	12.75	156	144906	145.881	ug/l	97
78) n-propylbenzene	12.81	91	749911	138.011	ug/l	98
79) 2-Chlorotoluene	12.90	91	433499	140.622	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	574755	148.359	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.52	75	33219	165.601	ug/l	90
82) 4-Chlorotoluene	12.99	91	439875	134.095	ug/l	93
83) tert-Butylbenzene	13.21	119	460862	134.754	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	544606	137.373	ug/l	96
85) sec-Butylbenzene	13.39	105	610515	126.641	ug/l	98
86) p-Isopropyltoluene	13.51	119	557001	128.473	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	274565	135.218	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	273361	134.621	ug/l	96
89) n-Butylbenzene	13.83	91	493683	122.559	ug/l	96
90) Hexachloroethane	14.10	117	103411	154.867	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	249707	143.138	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18489	157.437	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	169836	140.452	ug/l	96
94) Hexachlorobutadiene	15.24	225	86135	131.807	ug/l	98
95) Naphthalene	15.38	128	332407	151.070	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	149340	144.249	ug/l	98

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

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