

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008217.D
 Acq On : 12 Jan 2019 03:35
 Operator : SY/VA
 Sample : VW0111SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

Manual Integrations
 APPROVED

apatel
 1/14/2019 2:42:33 PM

Quant Time: Jan 12 04:39:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	157358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	54011	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.88	113	52199	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
50) Toluene-d8	10.32	98	211459	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.62	95	74248	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13177	18.095	ug/l	97
3) Chloromethane	2.21	50	19677	20.828	ug/l	98
4) Vinyl Chloride	2.37	62	24767	20.086	ug/l	95
5) Bromomethane	2.78	94	21700	23.493	ug/l	95
6) Chloroethane	2.92	64	18537	19.979	ug/l	89
7) Trichlorofluoromethane	3.26	101	19440	19.393	ug/l	96
8) Diethyl Ether	3.68	74	12260	21.634	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21435	21.537	ug/l	97
10) Methyl Iodide	4.26	142	33132	22.842	ug/l	98
11) Tert butyl alcohol	5.23	59	6230	83.268	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	21238	21.735	ug/l	83
13) Acrolein	3.89	56	5342	78.989	ug/l	93
14) Allyl chloride	4.67	41	36347	20.488	ug/l	98
15) Acrylonitrile	5.37	53	24973	115.750	ug/l	98
16) Acetone	4.14	43	19494	95.034	ug/l	93
17) Carbon Disulfide	4.37	76	62549	20.491	ug/l	97
18) Methyl Acetate	4.68	43	14167	22.352	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	35820	22.549	ug/l	96
20) Methylene Chloride	4.91	84	25638	23.409	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	23797	22.410	ug/l	87
22) Diisopropyl ether	6.31	45	73911	21.845	ug/l	96
23) Vinyl Acetate	6.26	43	193467	108.873	ug/l	99
24) 1,1-Dichloroethane	6.21	63	43175	21.901	ug/l #	96
25) 2-Butanone	7.18	43	29538	105.863	ug/l	98
26) 2,2-Dichloropropane	7.17	77	26283	19.676	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	25524	22.031	ug/l	93
28) Bromochloromethane	7.51	49	16375	21.000	ug/l	98
29) Tetrahydrofuran	7.54	42	21013	112.742	ug/l	99
30) Chloroform	7.68	83	43032	22.932	ug/l	93
31) Cyclohexane	7.95	56	39707	18.815	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	35474	21.726	ug/l	98
36) 1,1-Dichloropropene	8.09	75	33582	20.718	ug/l	99
37) Ethyl Acetate	7.26	43	14083	21.686	ug/l #	91
38) Carbon Tetrachloride	8.07	117	31798	21.433	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	40733	19.818	ug/l	94
40) Benzene	8.32	78	97958	22.281	ug/l	95
41) Methacrylonitrile	7.48	41	9144	22.290	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	27056	21.881	ug/l	96
43) Isopropyl Acetate	8.43	43	27851	21.450	ug/l	98
44) Trichloroethene	9.09	130	25374	22.546	ug/l	96
45) 1,2-Dichloropropane	9.37	63	24242	22.238	ug/l	95
46) Dibromomethane	9.46	93	12422	23.203	ug/l	96
47) Bromodichloromethane	9.65	83	30309	22.296	ug/l	97
48) Methyl methacrylate	9.44	41	13236	21.604	ug/l	89
49) 1,4-Dioxane	9.47	88	4109	477.250	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	71198	113.283	ug/l	98
52) Toluene	10.39	92	63190	22.506	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	30302	21.429	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35015	20.882	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	18154	24.152	ug/l	97
56) Ethyl methacrylate	10.65	69	21294	22.876	ug/l	98
57) 1,3-Dichloropropane	10.93	76	31214	22.706	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	53941	112.181	ug/l	99
59) 2-Hexanone	10.97	43	46340	109.030	ug/l	99
60) Dibromochloromethane	11.13	129	19899	24.108	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17267	24.210	ug/l	97
64) Tetrachloroethene	10.86	164	21130	22.720	ug/l	96
65) Chlorobenzene	11.66	112	67592	22.326	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22378	22.726	ug/l	99
67) Ethyl Benzene	11.73	91	117511	21.213	ug/l	98
68) m/p-Xylenes	11.84	106	92239	43.625	ug/l	97
69) o-Xylene	12.17	106	42597	21.756	ug/l	96
70) Styrene	12.18	104	69989	22.821	ug/l	98
71) Bromoform	12.35	173	10908	24.751	ug/l #	96
73) Isopropylbenzene	12.47	105	116142	21.282	ug/l	100
74) N-amyl acetate	12.28	43	25839	21.381	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	20176	23.098	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	15188m	23.969	ug/l	
77) Bromobenzene	12.75	156	26233	22.750	ug/l	90
78) n-propylbenzene	12.81	91	140758	21.051	ug/l	98
79) 2-Chlorotoluene	12.90	91	80527	21.586	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	96622	21.546	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	5961	21.907	ug/l	97
82) 4-Chlorotoluene	12.99	91	84484	21.503	ug/l	98
83) tert-Butylbenzene	13.21	119	86647	21.840	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	100169	21.657	ug/l	98
85) sec-Butylbenzene	13.39	105	125922	21.667	ug/l	100
86) p-Isopropyltoluene	13.51	119	107188	21.358	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	53379	22.820	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	52369	22.315	ug/l	99
89) n-Butylbenzene	13.83	91	101663	20.683	ug/l	99
90) Hexachloroethane	14.10	117	19410	22.898	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	48423	23.556	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3111	22.131	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	30011	21.989	ug/l	96
94) Hexachlorobutadiene	15.24	225	16487	22.569	ug/l	99
95) Naphthalene	15.38	128	56279	22.084	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	26252	22.563	ug/l	98

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

