

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004804.D
 Acq On : 20 Aug 2018 20:53
 Operator : SY/AP
 Sample : J4499-09MSD
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:32:33 AM

Quant Time: Aug 21 01:51:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	594039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	870940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	732225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	308673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	303393	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.88	113	304338	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
50) Toluene-d8	10.33	98	1091186	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.62	95	332699	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	187333	47.61	ug/l	94
3) Chloromethane	2.22	50	225965	43.92	ug/l	99
4) Vinyl Chloride	2.37	62	389719	51.46	ug/l	99
5) Bromomethane	2.78	94	217109	46.42	ug/l	96
6) Chloroethane	2.93	64	241043	52.75	ug/l	99
7) Trichlorofluoromethane	3.26	101	203040	56.91	ug/l	96
8) Diethyl Ether	3.68	74	180632	56.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	300749	48.96	ug/l	100
10) Methyl Iodide	4.26	142	414892	44.47	ug/l	99
11) Tert butyl alcohol	5.23	59	91030	283.71	ug/l	100
12) 1,1-Dichloroethene	4.03	96	299399	48.91	ug/l	99
13) Acrolein	3.89	56	35317	82.02	ug/l	100
14) Allyl chloride	4.67	41	472132	50.82	ug/l	99
15) Acrylonitrile	5.37	53	337184	249.26	ug/l	99
16) Acetone	4.14	43	421332	287.38	ug/l	99
17) Carbon Disulfide	4.37	76	921141	45.79	ug/l	99
18) Methyl Acetate	4.67	43	517954	164.86	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	477272	60.06	ug/l	96
20) Methylene Chloride	4.91	84	409272	62.19	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	318697	48.93	ug/l	99
22) Diisopropyl ether	6.32	45	975559	54.63	ug/l	96
23) Vinyl Acetate	6.26	43	180169m	17.84	ug/l	
24) 1,1-Dichloroethane	6.21	63	601435	51.83	ug/l	99
25) 2-Butanone	7.18	43	572978	274.30	ug/l	99
26) 2,2-Dichloropropane	7.17	77	336858	50.26	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	350471	49.98	ug/l	99
28) Bromochloromethane	7.51	49	253103	51.80	ug/l	99
29) Tetrahydrofuran	7.54	42	306265	287.52	ug/l	98
30) Chloroform	7.68	83	587221	51.46	ug/l	100
31) Cyclohexane	7.96	56	482329	42.97	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	464007	51.29	ug/l	99
36) 1,1-Dichloropropene	8.09	75	429097	47.83	ug/l	100
37) Ethyl Acetate	7.26	43	98757	27.61	ug/l #	80
38) Carbon Tetrachloride	8.07	117	417164	50.51	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	401261	35.76	ug/l	99
40) Benzene	8.33	78	1321583	50.68	ug/l	99
41) Methacrylonitrile	7.49	41	95406	47.00	ug/l	97
42) 1,2-Dichloroethane	8.40	62	356566	53.33	ug/l	99
43) Isopropyl Acetate	8.43	43	224670	34.97	ug/l #	92
44) Trichloroethene	9.09	130	312005	47.14	ug/l	98
45) 1,2-Dichloropropane	9.37	63	335440	52.59	ug/l	99
46) Dibromomethane	9.46	93	167317	52.95	ug/l	99
47) Bromodichloromethane	9.65	83	389951	51.67	ug/l	100
48) Methyl methacrylate	9.44	41	199588	66.21	ug/l	97
49) 1,4-Dioxane	9.48	88	52221	1131.18	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	1256531	289.40	ug/l	100
52) Toluene	10.39	92	760791	48.65	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	372914	49.05	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	439533	48.49	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	239551	53.33	ug/l	99
56) Ethyl methacrylate	10.65	69	170868	30.36	ug/l	100
57) 1,3-Dichloropropane	10.94	76	408723	52.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	723848	291.81	ug/l	99
59) 2-Hexanone	10.98	43	799183	271.65	ug/l	100
60) Dibromochloromethane	11.13	129	259024	51.40	ug/l	100
61) 1,2-Dibromoethane	11.24	107	218472	50.89	ug/l	99
64) Tetrachloroethene	10.87	164	264319	52.82	ug/l	100
65) Chlorobenzene	11.66	112	767058	48.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	290781	54.64	ug/l	99
67) Ethyl Benzene	11.74	91	1334444	49.95	ug/l	99
68) m/p-Xylenes	11.85	106	1038950	99.95	ug/l	100
69) o-Xylene	12.17	106	496720	51.62	ug/l	99
70) Styrene	12.19	104	784221	48.52	ug/l	99
71) Bromoform	12.35	173	152325	54.23	ug/l #	99
73) Isopropylbenzene	12.47	105	1227532	58.46	ug/l	99
74) N-amyl acetate	12.28	43	70184	17.14	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	278794	71.67	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184717m	67.89	ug/l	
77) Bromobenzene	12.75	156	292181	57.48	ug/l	98
78) n-propylbenzene	12.81	91	1354725	52.87	ug/l	100
79) 2-Chlorotoluene	12.90	91	815433	55.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	989316	55.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	74368	63.52	ug/l	98
82) 4-Chlorotoluene	12.99	91	828254	52.78	ug/l	99
83) tert-Butylbenzene	13.21	119	808578	52.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1009019	54.97	ug/l	100
85) sec-Butylbenzene	13.39	105	1027200	45.09	ug/l	99
86) p-Isopropyltoluene	13.51	119	896346	45.22	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	493071	47.69	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	486714	47.09	ug/l	99
89) n-Butylbenzene	13.83	91	647846	33.80	ug/l	99
90) Hexachloroethane	14.10	117	166831	46.17	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	459512	49.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41296	67.92	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	197448	30.06	ug/l	99
94) Hexachlorobutadiene	15.24	225	82106	20.37	ug/l	98
95) Naphthalene	15.38	128	509906	40.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	177523	30.48	ug/l	99

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

