

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004779.D
 Acq On : 18 Aug 2018 13:22
 Operator : SY/AP
 Sample : J4448-02MS
 Misc : 6.55G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MS

Manual Integrations
 APPROVED

apatel
 8/20/2018 12:44:54 PM

Quant Time: Aug 20 02:25:51 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	532342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	825455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	692929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	298250	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	299040	58.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.20%	
35) Dibromofluoromethane	7.88	113	291898	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
50) Toluene-d8	10.33	98	1062692	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.62	95	335135	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	175070	49.65	ug/l	96
3) Chloromethane	2.21	50	236507	51.30	ug/l	99
4) Vinyl Chloride	2.37	62	383335	56.49	ug/l	99
5) Bromomethane	2.78	94	198089	47.26	ug/l	97
6) Chloroethane	2.93	64	230659	56.33	ug/l	99
7) Trichlorofluoromethane	3.26	101	173369	54.23	ug/l	97
8) Diethyl Ether	3.68	74	176551	61.08	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	297040	53.96	ug/l	99
10) Methyl Iodide	4.27	142	316577	37.86	ug/l	99
11) Tert butyl alcohol	5.22	59	92282	320.94	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	296217	54.00	ug/l	97
14) Allyl chloride	4.67	41	453363	54.46	ug/l	100
15) Acrylonitrile	5.37	53	255659	210.90	ug/l	99
16) Acetone	4.14	43	243701	185.49	ug/l	99
17) Carbon Disulfide	4.38	76	951893	52.80	ug/l	99
18) Methyl Acetate	4.68	43	631156	224.18	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	450557	63.27	ug/l	96
20) Methylene Chloride	4.92	84	381605	64.90	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	327426	56.10	ug/l	98
22) Diisopropyl ether	6.32	45	894473	55.90	ug/l	96
23) Vinyl Acetate	6.32	43	461414	50.98	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	589742	56.71	ug/l	100
25) 2-Butanone	7.18	43	138018	73.73	ug/l	100
26) 2,2-Dichloropropane	7.17	77	256475	42.70	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	347955	55.37	ug/l	99
28) Bromochloromethane	7.51	49	264932	60.50	ug/l	98
29) Tetrahydrofuran	7.54	42	314419	329.39	ug/l	99
30) Chloroform	7.68	83	587214	57.42	ug/l	98
31) Cyclohexane	7.96	56	514307	51.13	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	449431	55.44	ug/l	99
36) 1,1-Dichloropropene	8.09	75	451449	53.09	ug/l	100
37) Ethyl Acetate	7.26	43	27754	8.19	ug/l #	79
38) Carbon Tetrachloride	8.07	117	412549	52.70	ug/l	99
39) Methylcyclohexane	9.34	83	508803	47.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	1319838	53.41	ug/l	100
41) Methacrylonitrile	7.49	41	57231m	29.75	ug/l	
42) 1,2-Dichloroethane	8.40	62	368537	58.15	ug/l	100
43) Isopropyl Acetate	8.43	43	108692	17.85	ug/l	# 59
44) Trichloroethene	9.10	130	324036	51.65	ug/l	98
45) 1,2-Dichloropropane	9.37	63	335245	55.46	ug/l	99
46) Dibromomethane	9.46	93	171354	57.22	ug/l	99
47) Bromodichloromethane	9.65	83	394918	55.22	ug/l	100
48) Methyl methacrylate	9.44	41	210365	73.63	ug/l	95
49) 1,4-Dioxane	9.48	88	58732	1342.32	ug/l	# 81
51) 4-Methyl-2-Pentanone	10.21	43	1107868	269.22	ug/l	98
52) Toluene	10.39	92	769665	51.93	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	347573	48.23	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	408753	47.58	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	240214	56.43	ug/l	99
56) Ethyl methacrylate	10.65	69	66341	14.20	ug/l	# 83
57) 1,3-Dichloropropane	10.94	76	408914	55.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	556658	236.78	ug/l	100
59) 2-Hexanone	10.98	43	572079	205.17	ug/l	99
60) Dibromochloromethane	11.13	129	262352	54.93	ug/l	98
61) 1,2-Dibromoethane	11.24	107	218999	53.82	ug/l	98
64) Tetrachloroethene	10.87	164	250564	52.91	ug/l	97
65) Chlorobenzene	11.66	112	785014	52.64	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	283405	56.28	ug/l	98
67) Ethyl Benzene	11.74	91	1384863	54.77	ug/l	98
68) m/p-Xylenes	11.85	106	1036153	105.34	ug/l	100
69) o-Xylene	12.17	106	499764	54.88	ug/l	98
70) Stvrene	12.18	104	57069	3.73	ug/l	# 1
71) Bromoform	12.35	173	157494	59.25	ug/l	# 100
73) Isopropylbenzene	12.47	105	1310133	64.57	ug/l	99
74) N-amyl acetate	12.28	43	24376	8.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	282103	75.05	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	220775m	83.97	ug/l	
77) Bromobenzene	12.75	156	305878	62.28	ug/l	97
78) n-propylbenzene	12.81	91	1506801	60.86	ug/l	100
79) 2-Chlorotoluene	12.90	91	866435	60.71	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1021324	59.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	59708	52.78	ug/l	97
82) 4-Chlorotoluene	12.99	91	852907	56.25	ug/l	100
83) tert-Butylbenzene	13.21	119	870938	59.07	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1046672	59.02	ug/l	98
85) sec-Butylbenzene	13.39	105	1175868	53.42	ug/l	99
86) p-Isopropyltoluene	13.51	119	936320	48.88	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	527254	52.78	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	517170	51.79	ug/l	99
89) n-Butylbenzene	13.83	91	804873	43.46	ug/l	99
90) Hexachloroethane	14.10	117	180271	51.63	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	474742	52.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40638	69.18	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	193930	30.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	113677	29.18	ug/l	99
95) Naphthalene	15.38	128	466845	38.81	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	170609	30.32	ug/l	98

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

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