

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081718\
 Data File : VW004721.D
 Acq On : 16 Aug 2018 02:46
 Operator : SY/AP
 Sample : J4448-03MSD
 Misc : 6.27G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 8/16/2018 10:01:42 AM

Quant Time: Aug 16 05:51:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	451185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	681484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	623382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	288340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	246904	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.88	113	244979	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.33	98	926198	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.62	95	301148	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	127704m	41.24	ug/l	
3) Chloromethane	2.21	50	176838	41.00	ug/l	98
4) Vinyl Chloride	2.37	62	305626	50.72	ug/l	96
5) Bromomethane	2.78	94	170981	48.73	ug/l	97
6) Chloroethane	2.93	64	187728	52.14	ug/l	98
7) Trichlorofluoromethane	3.25	101	142238	63.91	ug/l	96
8) Diethyl Ether	3.68	74	142873	50.75	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	252463	51.36	ug/l	98
10) Methyl Iodide	4.26	142	345971	46.91	ug/l	100
11) Tert butyl alcohol	5.18	59	78292	267.72	ug/l	99
12) 1,1-Dichloroethene	4.03	96	247568	50.04	ug/l	97
13) Acrolein	3.89	56	1466	4.09	ug/l	89
14) Allyl chloride	4.66	41	395873	53.25	ug/l	98
15) Acrylonitrile	5.37	53	250864	200.51	ug/l	99
16) Acetone	4.13	43	285981	229.28	ug/l	99
17) Carbon Disulfide	4.37	76	778010	48.93	ug/l	98
18) Methyl Acetate	4.67	43	512089	164.65	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	380337	56.36	ug/l	96
20) Methylene Chloride	4.91	84	315924	52.26	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	274258	51.44	ug/l	98
22) Diisopropyl ether	6.31	45	762485	49.91	ug/l	98
23) Vinyl Acetate	6.31	43	493416	53.74	ug/l #	75
24) 1,1-Dichloroethane	6.21	63	502330	51.37	ug/l	99
25) 2-Butanone	7.18	43	439944	219.27	ug/l	97
26) 2,2-Dichloropropane	7.17	77	262166	51.08	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	303056	52.83	ug/l	99
28) Bromochloromethane	7.51	49	218614	51.39	ug/l	96
29) Tetrahydrofuran	7.53	42	260705	251.34	ug/l	99
30) Chloroform	7.68	83	509904	53.09	ug/l	98
31) Cyclohexane	7.96	56	432619	46.24	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	393224	54.51	ug/l	99
36) 1,1-Dichloropropene	8.09	75	383439	52.26	ug/l	99
37) Ethyl Acetate	7.26	43	57827	16.83	ug/l #	78
38) Carbon Tetrachloride	8.07	117	357266	54.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	423311	47.07	ug/l	98
40) Benzene	8.32	78	1140832	52.94	ug/l	100
41) Methacrylonitrile	7.53	41	204962	106.78	ug/l #	35
42) 1,2-Dichloroethane	8.40	62	306956	51.49	ug/l	99
43) Isopropyl Acetate	8.43	43	134803	22.50	ug/l #	60
44) Trichloroethene	9.10	130	275660	52.06	ug/l	99
45) 1,2-Dichloropropane	9.37	63	287338	53.25	ug/l	98
46) Dibromomethane	9.46	93	144267	52.52	ug/l	98
47) Bromodichloromethane	9.65	83	340319	52.48	ug/l	99
48) Methyl methacrylate	9.44	41	177506	63.40	ug/l	99
49) 1,4-Dioxane	9.46	88	50629	1208.04	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	1006281	241.33	ug/l	100
52) Toluene	10.39	92	688056	54.15	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	318452	48.91	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	379267	49.98	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	205314	52.15	ug/l	99
56) Ethyl methacrylate	10.65	69	88791	18.84	ug/l	97
57) 1,3-Dichloropropane	10.94	76	355071	52.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	554587	222.55	ug/l	99
59) 2-Hexanone	10.98	43	597871	211.48	ug/l	99
60) Dibromochloromethane	11.13	129	222152	51.88	ug/l	98
61) 1,2-Dibromoethane	11.24	107	188938	51.08	ug/l	99
64) Tetrachloroethene	10.87	164	222626	51.19	ug/l	97
65) Chlorobenzene	11.66	112	723498	52.66	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	254490	54.41	ug/l	99
67) Ethyl Benzene	11.74	91	1261661	54.17	ug/l	98
68) m/p-Xylenes	11.85	106	980326	108.92	ug/l	98
69) o-Xylene	12.17	106	450581	53.98	ug/l	99
70) Styrene	12.19	104	531809	37.71	ug/l	96
71) Bromoform	12.35	173	136142	52.95	ug/l #	98
73) Isopropylbenzene	12.47	105	1193234	59.83	ug/l	100
74) N-amyl acetate	12.28	43	53603	11.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	246531	59.21	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	163752m	54.88	ug/l	
77) Bromobenzene	12.75	156	284711	59.00	ug/l	97
78) n-propylbenzene	12.81	91	1426083	57.95	ug/l	100
79) 2-Chlorotoluene	12.90	91	820936	57.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	980644	57.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	60973	48.92	ug/l	98
82) 4-Chlorotoluene	12.99	91	856820	56.69	ug/l	99
83) tert-Butylbenzene	13.21	119	825120	57.82	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1004516	57.03	ug/l	100
85) sec-Butylbenzene	13.39	105	1139189	52.92	ug/l	100
86) p-Isopropyltoluene	13.51	119	965288	51.74	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	515877	51.89	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	509411	51.47	ug/l	100
89) n-Butylbenzene	13.83	91	822756	44.89	ug/l	100
90) Hexachloroethane	14.10	117	179741	52.08	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	461610	51.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36989	54.37	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	210570	33.72	ug/l	99
94) Hexachlorobutadiene	15.24	225	119030	32.73	ug/l	100
95) Naphthalene	15.38	128	468239	37.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	180760	32.21	ug/l	100

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

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