

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081718\
 Data File : VW004720.D
 Acq On : 16 Aug 2018 02:20
 Operator : SY/AP
 Sample : J4448-02MS
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 8/16/2018 10:01:38 AM

Quant Time: Aug 16 05:50:43 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	288780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	431975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128067	40.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.12%	
35) Dibromofluoromethane	7.88	113	123984	43.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.10%	
50) Toluene-d8	10.33	98	469515	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
62) 4-Bromofluorobenzene	12.62	95	139066	35.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	48414m	24.43	ug/l	
3) Chloromethane	2.21	50	68647	24.86	ug/l	97
4) Vinyl Chloride	2.36	62	120951	31.36	ug/l	99
5) Bromomethane	2.78	94	62287	27.74	ug/l	97
6) Chloroethane	2.93	64	71417	30.99	ug/l	97
7) Trichlorofluoromethane	3.26	101	105292	73.92	ug/l	95
8) Diethyl Ether	3.68	74	43287	24.02	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	95683	30.41	ug/l	96
10) Methyl Iodide	4.26	142	102244	21.66	ug/l	99
11) Tert butyl alcohol	5.18	59	24305	129.85	ug/l	99
12) 1,1-Dichloroethene	4.03	96	74102	23.40	ug/l	94
13) Acrolein	3.87	56	721m	3.14	ug/l	
14) Allyl chloride	4.67	41	113267	23.81	ug/l	98
15) Acrylonitrile	5.37	53	70170	87.63	ug/l	98
16) Acetone	4.12	43	73220	91.72	ug/l	97
17) Carbon Disulfide	4.37	76	245364	24.11	ug/l	99
18) Methyl Acetate	4.67	43	129961	65.28	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	139843	32.37	ug/l	95
20) Methylene Chloride	4.91	84	94771	18.77	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	83348	24.42	ug/l	98
22) Diisopropyl ether	6.32	45	219774	22.48	ug/l	98
23) Vinyl Acetate	6.31	43	139743	23.78	ug/l #	75
24) 1,1-Dichloroethane	6.21	63	157766	25.21	ug/l	98
25) 2-Butanone	7.18	43	108255	84.30	ug/l	99
26) 2,2-Dichloropropane	7.17	77	107648	32.77	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	85785	23.36	ug/l	98
28) Bromochloromethane	7.51	49	62219	22.85	ug/l	93
29) Tetrahydrofuran	7.53	42	64709	97.47	ug/l	98
30) Chloroform	7.68	83	157379	25.60	ug/l	99
31) Cyclohexane	7.96	56	145313	24.27	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	140527	30.43	ug/l	99
36) 1,1-Dichloropropene	8.09	75	124483	26.76	ug/l	99
37) Ethyl Acetate	7.26	43	13558	6.22	ug/l #	79
38) Carbon Tetrachloride	8.07	117	122480	29.26	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	131557	23.08	ug/l	99
40) Benzene	8.32	78	363057	26.58	ug/l	98
41) Methacrylonitrile	7.53	41	59182	48.64	ug/l #	36
42) 1,2-Dichloroethane	8.40	62	94155	24.92	ug/l	99
43) Isopropyl Acetate	8.43	43	31680	8.34	ug/l #	60
44) Trichloroethene	9.10	130	89596	26.70	ug/l	95
45) 1,2-Dichloropropane	9.37	63	93396	27.30	ug/l	98
46) Dibromomethane	9.46	93	42561	24.44	ug/l	98
47) Bromodichloromethane	9.65	83	107099	26.06	ug/l	99
48) Methyl methacrylate	9.44	41	41907	23.61	ug/l	98
49) 1,4-Dioxane	9.45	88	12246	460.97	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	245470	92.87	ug/l	99
52) Toluene	10.39	92	215779	26.79	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	88518	21.45	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	105830	22.00	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	61326	24.57	ug/l	98
56) Ethyl methacrylate	10.65	69	16078	5.38	ug/l #	83
57) 1,3-Dichloropropane	10.93	76	103710	24.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	133186	89.87	ug/l	99
59) 2-Hexanone	10.98	43	136047	75.92	ug/l	97
60) Dibromochloromethane	11.13	129	65116	23.99	ug/l	98
61) 1,2-Dibromoethane	11.24	107	51760	22.07	ug/l	98
64) Tetrachloroethene	10.87	164	74316	29.53	ug/l	97
65) Chlorobenzene	11.66	112	212611	26.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	77045	28.47	ug/l	99
67) Ethyl Benzene	11.74	91	348573	25.87	ug/l	97
68) m/p-Xylenes	11.85	106	279675	53.70	ug/l	98
69) o-Xylene	12.17	106	126583	26.21	ug/l	98
70) Styrene	12.19	104	59050	7.24	ug/l #	73
71) Bromoform	12.35	173	35956	24.17	ug/l #	100
73) Isopropylbenzene	12.47	105	332062	29.53	ug/l	100
74) N-amyl acetate	12.28	43	10238	3.75	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	67968	28.95	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53452m	31.77	ug/l	
77) Bromobenzene	12.75	156	80104	29.44	ug/l	96
78) n-propylbenzene	12.81	91	400275	28.85	ug/l	100
79) 2-Chlorotoluene	12.90	91	232958	29.01	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	277638	28.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	14638	20.83	ug/l	96
82) 4-Chlorotoluene	12.99	91	242496	28.45	ug/l	99
83) tert-Butylbenzene	13.21	119	243701	30.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	277034	27.90	ug/l	99
85) sec-Butylbenzene	13.39	105	345830	28.49	ug/l	99
86) p-Isopropyltoluene	13.51	119	268905	25.56	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	149627	26.69	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146984	26.34	ug/l	100
89) n-Butylbenzene	13.83	91	230161	22.27	ug/l	98
90) Hexachloroethane	14.10	117	55110	28.32	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	132184	25.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9429	24.58	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	55431	15.74	ug/l	99
94) Hexachlorobutadiene	15.24	225	40682	19.84	ug/l	99
95) Naphthalene	15.38	128	96454	15.41	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	47213	14.92	ug/l	99

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

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