

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007372.D
 Acq On : 10 Dec 2018 23:40
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:55:33 PM

Quant Time: Dec 11 02:53:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:44:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	136501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59405	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	16921	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	
35) Dibromofluoromethane	7.88	113	15332	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
50) Toluene-d8	10.32	98	60007	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
62) 4-Bromofluorobenzene	12.62	95	21637	18.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	12505	21.121	ug/l	98
3) Chloromethane	2.21	50	9831	20.847	ug/l	99
4) Vinyl Chloride	2.37	62	11208	20.252	ug/l	99
5) Bromomethane	2.78	94	7190	19.337	ug/l	92
6) Chloroethane	2.92	64	5949	19.528	ug/l	98
7) Trichlorofluoromethane	3.26	101	9789	19.674	ug/l	93
8) Diethyl Ether	3.68	74	7663	19.678	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16767	20.423	ug/l	99
10) Methyl Iodide	4.26	142	26670	19.615	ug/l	100
11) Tert butyl alcohol	5.17	59	6689	108.950	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	15498	19.607	ug/l	98
13) Acrolein	3.89	56	4632	114.019	ug/l	97
14) Allyl chloride	4.66	41	22305	19.144	ug/l	98
15) Acrylonitrile	5.37	53	17606	107.246	ug/l	97
16) Acetone	4.12	43	16429	105.215	ug/l	99
17) Carbon Disulfide	4.37	76	47254	19.716	ug/l	96
18) Methyl Acetate	4.67	43	9562	22.563	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	24095	20.206	ug/l	99
20) Methylene Chloride	4.90	84	18620	18.802	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	17470	19.757	ug/l	95
22) Diisopropyl ether	6.31	45	43995	19.645	ug/l	91
23) Vinyl Acetate	6.26	43	125977	100.568	ug/l	97
24) 1,1-Dichloroethane	6.21	63	29638	19.581	ug/l	99
25) 2-Butanone	7.17	43	21572	105.823	ug/l	100
26) 2,2-Dichloropropane	7.16	77	20185	20.150	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	18865	19.485	ug/l	97
28) Bromochloromethane	7.51	49	11622	20.413	ug/l #	99
29) Tetrahydrofuran	7.53	42	14354	111.228	ug/l	98
30) Chloroform	7.67	83	32105	19.491	ug/l	99
31) Cyclohexane	7.95	56	27072	19.494	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	28374	19.643	ug/l	98
36) 1,1-Dichloropropene	8.08	75	24795	19.912	ug/l	99
37) Ethyl Acetate	7.26	43	10419	22.497	ug/l	98
38) Carbon Tetrachloride	8.07	117	26896	19.851	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30813	20.435	ug/l	96
40) Benzene	8.32	78	66973	19.381	ug/l	98
41) Methacrylonitrile	7.48	41	4846	18.374	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	21527	19.831	ug/l	100
43) Isopropyl Acetate	8.43	43	19272	21.066	ug/l	99
44) Trichloroethene	9.09	130	19556	19.818	ug/l	99
45) 1,2-Dichloropropane	9.37	63	15230	19.045	ug/l	94
46) Dibromomethane	9.46	93	9123	20.089	ug/l	98
47) Bromodichloromethane	9.65	83	23458	19.693	ug/l	92
48) Methyl methacrylate	9.44	41	10132	21.565	ug/l	95
49) 1,4-Dioxane	9.45	88	3330	451.921	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	45759	105.860	ug/l	100
52) Toluene	10.39	92	43143	19.292	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	23524	20.342	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26337	19.701	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	13059	21.129	ug/l	93
56) Ethyl methacrylate	10.65	69	15648	21.064	ug/l	98
57) 1,3-Dichloropropane	10.93	76	20734	20.438	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	36470	106.455	ug/l	98
59) 2-Hexanone	10.97	43	31847	110.491	ug/l	96
60) Dibromochloromethane	11.13	129	15831	20.296	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12673	20.748	ug/l	90
64) Tetrachloroethene	10.86	164	16812	20.227	ug/l	92
65) Chlorobenzene	11.66	112	48172	19.996	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17074	20.123	ug/l	98
67) Ethyl Benzene	11.73	91	84585	20.422	ug/l #	88
68) m/p-Xylenes	11.84	106	67178	41.721	ug/l	91
69) o-Xylene	12.17	106	29350	19.517	ug/l	93
70) Styrene	12.18	104	47175	19.422	ug/l	98
71) Bromoform	12.35	173	8981	20.680	ug/l #	99
73) Isopropylbenzene	12.47	105	82420	18.107	ug/l	95
74) N-amyl acetate	12.27	43	16094	19.455	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	12666	18.787	ug/l	84
76) 1,2,3-Trichloropropane	12.77	75	7841m	16.008	ug/l	
77) Bromobenzene	12.75	156	18428	18.264	ug/l	92
78) n-propylbenzene	12.80	91	94436	18.435	ug/l	97
79) 2-Chlorotoluene	12.90	91	57614	18.587	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	71305	18.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4483	20.218	ug/l	93
82) 4-Chlorotoluene	12.99	91	61898	18.945	ug/l	99
83) tert-Butylbenzene	13.21	119	64042	19.003	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	74580	18.949	ug/l	98
85) sec-Butylbenzene	13.38	105	87557	19.032	ug/l	97
86) p-Isopropyltoluene	13.51	119	79512	19.238	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	37841	18.811	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	36789	18.191	ug/l	97
89) n-Butylbenzene	13.83	91	73570	19.201	ug/l	98
90) Hexachloroethane	14.10	117	13516	18.379	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	34699	19.258	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2780	20.548	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23735	19.142	ug/l	95
94) Hexachlorobutadiene	15.24	225	13468	20.471	ug/l	95
95) Naphthalene	15.37	128	48065	20.263	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	21329	19.802	ug/l	99

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

