

Data File : VW003247.D
Acq On : 13 Jun 2018 16:06
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

apatel
6/14/2018 9:55:43 AM

Quant Time: Jun 14 08:05:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 07:51:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	424682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	386377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	201476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14419	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	7.89	113	12869	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
50) Toluene-d8	10.33	98	47450	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.63	95	16754	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4867	6.224	ug/l	92
3) Chloromethane	2.21	50	12045	5.834	ug/l	89
4) Vinyl Chloride	2.36	62	17093	5.355	ug/l	99
5) Bromomethane	2.78	94	11494	4.976	ug/l	97
6) Chloroethane	2.93	64	11437	4.740	ug/l	98
7) Trichlorofluoromethane	3.26	101	9848	5.511	ug/l	96
8) Diethyl Ether	3.67	74	7274	5.140	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	13294	5.524	ug/l #	84
10) Methyl Iodide	4.26	142	20282	5.137	ug/l	95
11) Tert butyl alcohol	5.27	59	3624m	20.814	ug/l	
12) 1,1-Dichloroethene	4.03	96	13318	5.495	ug/l	84
13) Acrolein	3.90	56	6106	33.615	ug/l	96
14) Allyl chloride	4.67	41	21924	5.454	ug/l	97
15) Acrylonitrile	5.39	53	13334	24.349	ug/l	98
16) Acetone	4.15	43	18386	34.626	ug/l	98
17) Carbon Disulfide	4.37	76	41059	5.616	ug/l	97
18) Methyl Acetate	4.68	43	9168	6.707	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	23282	5.107	ug/l	93
20) Methylene Chloride	4.91	84	20794	7.741	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	13970	5.291	ug/l	89
22) Diisopropyl ether	6.32	45	41306	5.040	ug/l	97
23) Vinyl Acetate	6.26	43	106482	22.072	ug/l	100
24) 1,1-Dichloroethane	6.22	63	26601	5.507	ug/l	97
25) 2-Butanone	7.19	43	18074	24.816	ug/l	90
26) 2,2-Dichloropropane	7.17	77	18807	6.315	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	15200	5.241	ug/l	97
28) Bromochloromethane	7.51	49	10211	5.239	ug/l	99
29) Tetrahydrofuran	7.54	42	10865	23.132	ug/l	97
30) Chloroform	7.68	83	26559	5.350	ug/l	100
31) Cyclohexane	7.96	56	28510	6.251	ug/l #	83
32) 1,1,1-Trichloroethane	7.88	97	22395	5.569	ug/l	98
36) 1,1-Dichloropropene	8.08	75	20581	5.157	ug/l	98
37) Ethyl Acetate	7.27	43	8223	4.688	ug/l #	95
38) Carbon Tetrachloride	8.07	117	19779	5.077	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22812	4.825	ug/l	96
40) Benzene	8.33	78	58509	5.235	ug/l	98
41) Methacrylonitrile	7.50	41	4510	4.483	ug/l	95
42) 1,2-Dichloroethane	8.40	62	18576	5.346	ug/l	97
43) Isopropyl Acetate	8.43	43	16040	4.729	ug/l	98
44) Trichloroethene	9.09	130	15564	5.175	ug/l	93
45) 1,2-Dichloropropane	9.38	63	15001	5.346	ug/l	95
46) Dibromomethane	9.46	93	7461	4.975	ug/l	97
47) Bromodichloromethane	9.65	83	18813	5.137	ug/l	99
48) Methyl methacrylate	9.45	41	6826	4.234	ug/l	94
49) 1,4-Dioxane	9.49	88	1902	81.831	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	38206	22.163	ug/l	97
52) Toluene	10.40	92	35887	5.005	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	18587	4.928	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	21158	4.932	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10520	5.076	ug/l	93
56) Ethyl methacrylate	10.65	69	10287	4.005	ug/l	96
57) 1,3-Dichloropropane	10.94	76	17463	4.878	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	25413	21.691	ug/l	98
59) 2-Hexanone	10.98	43	25264	21.536	ug/l	93
60) Dibromochloromethane	11.13	129	11583	4.648	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9693	4.854	ug/l	98
64) Tetrachloroethene	10.87	164	13496	4.932	ug/l	97
65) Chlorobenzene	11.66	112	41509	5.225	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	13716	4.949	ug/l	99
67) Ethyl Benzene	11.74	91	68579	4.881	ug/l	97
68) m/p-Xylenes	11.85	106	51533	9.594	ug/l	97
69) o-Xylene	12.17	106	22883	4.518	ug/l	97
70) Styrene	12.19	104	36678	4.337	ug/l	97
71) Bromoform	12.35	173	6580	4.443	ug/l #	98
73) Isopropylbenzene	12.48	105	64328	4.612	ug/l	99
74) N-amyl acetate	12.28	43	13321	4.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	11594	4.880	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8779m	4.913	ug/l	
77) Bromobenzene	12.75	156	16236	4.938	ug/l	99
78) n-propylbenzene	12.81	91	79168	4.754	ug/l	98
79) 2-Chlorotoluene	12.90	91	46566	4.921	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	53885	4.633	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3237	4.595	ug/l	96
82) 4-Chlorotoluene	13.00	91	49986	4.948	ug/l	100
83) tert-Butylbenzene	13.21	119	46892	4.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	56741	4.723	ug/l	98
85) sec-Butylbenzene	13.40	105	70309	4.835	ug/l	98
86) p-Isopropyltoluene	13.51	119	60648	4.664	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	34043	5.143	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	35443	5.361	ug/l	94
89) n-Butylbenzene	13.83	91	60838	4.945	ug/l	98
90) Hexachloroethane	14.10	117	11217	4.857	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	29808	5.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1737	4.257	ug/l	89

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	19934	4.750	ug/l	99
94) Hexachlorobutadiene	15.25	225	12189	4.957	ug/l	94
95) Naphthalene	15.38	128	30685	4.134	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	18038	4.884	ug/l	97

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

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