

Data File : VW003248.D
Acq On : 13 Jun 2018 16:32
Operator : VA/AP
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

apatel
6/14/2018 10:02:28 AM

Quant Time: Jun 14 08:02:48 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	257838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	402158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	361951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	192901	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	28459	11.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.34%	
35) Dibromofluoromethane	7.88	113	24375	10.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.52%	
50) Toluene-d8	10.33	98	96964	10.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.02%	
62) 4-Bromofluorobenzene	12.62	95	33768	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	6627	8.851	ug/l 96
3) Chloromethane	2.21	50	20042	10.138	ug/l 94
4) Vinyl Chloride	2.36	62	29831	9.760	ug/l 100
5) Bromomethane	2.78	94	19239	8.698	ug/l 100
6) Chloroethane	2.92	64	20038	8.672	ug/l 98
7) Trichlorofluoromethane	3.25	101	18075	10.564	ug/l 94
8) Diethyl Ether	3.68	74	13595	10.033	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24942	10.823	ug/l 96
10) Methyl Iodide	4.26	142	37231	9.848	ug/l 100
11) Tert butyl alcohol	5.24	59	7349m	44.078	ug/l
12) 1,1-Dichloroethene	4.03	96	24774	10.674	ug/l 98
13) Acrolein	3.90	56	11927	68.570	ug/l 94
14) Allyl chloride	4.66	41	40486	10.517	ug/l 100
15) Acrylonitrile	5.39	53	26820	51.147	ug/l 99
16) Acetone	4.15	43	31087	61.141	ug/l 98
17) Carbon Disulfide	4.37	76	71759	10.250	ug/l 100
18) Methyl Acetate	4.67	43	12817	9.792	ug/l 97
19) Methyl tert-butyl Ether	5.43	73	43420	9.947	ug/l 97
20) Methylene Chloride	4.91	84	33718	13.108	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	26192	10.359	ug/l 96
22) Diisopropyl ether	6.32	45	80498	10.257	ug/l 97
23) Vinyl Acetate	6.26	43	231773	50.172	ug/l 99
24) 1,1-Dichloroethane	6.21	63	49237	10.646	ug/l 97
25) 2-Butanone	7.19	43	38121	54.662	ug/l 93
26) 2,2-Dichloropropane	7.17	77	34796	12.201	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	28002	10.083	ug/l 94
28) Bromochloromethane	7.51	49	18014	9.652	ug/l 96
29) Tetrahydrofuran	7.55	42	22554	50.147	ug/l 98
30) Chloroform	7.68	83	50928	10.713	ug/l 98
31) Cyclohexane	7.96	56	47766	10.936	ug/l # 88
32) 1,1,1-Trichloroethane	7.88	97	42033	10.915	ug/l 99
36) 1,1-Dichloropropene	8.09	75	40365	10.680	ug/l 98
37) Ethyl Acetate	7.26	43	16760	10.090	ug/l 99
38) Carbon Tetrachloride	8.07	117	38881	10.540	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44242	9.882	ug/l	97
40) Benzene	8.33	78	108274	10.231	ug/l	100
41) Methacrylonitrile	7.49	41	9666	10.147	ug/l	97
42) 1,2-Dichloroethane	8.40	62	34340	10.436	ug/l	99
43) Isopropyl Acetate	8.43	43	32158	10.011	ug/l	100
44) Trichloroethene	9.10	130	29215	10.257	ug/l	100
45) 1,2-Dichloropropane	9.37	63	27548	10.367	ug/l	95
46) Dibromomethane	9.46	93	13774	9.699	ug/l	96
47) Bromodichloromethane	9.65	83	35888	10.348	ug/l	99
48) Methyl methacrylate	9.44	41	14021	9.184	ug/l	95
49) 1,4-Dioxane	9.49	88	4489	203.951	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	80069	49.049	ug/l	99
52) Toluene	10.39	92	69326	10.209	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	34838	9.754	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	40385	9.941	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	20011	10.197	ug/l	93
56) Ethyl methacrylate	10.65	69	21738	8.937	ug/l	96
57) 1,3-Dichloropropane	10.94	76	34249	10.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	51608	46.517	ug/l	100
59) 2-Hexanone	10.98	43	55870	50.292	ug/l	100
60) Dibromochloromethane	11.13	129	22978	9.737	ug/l	99
61) 1,2-Dibromoethane	11.24	107	18477	9.771	ug/l	96
64) Tetrachloroethene	10.87	164	24538	9.573	ug/l	98
65) Chlorobenzene	11.66	112	78043	10.486	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	27188	10.473	ug/l	98
67) Ethyl Benzene	11.74	91	132210	10.045	ug/l	99
68) m/p-Xylenes	11.85	106	102015	20.274	ug/l	98
69) o-Xylene	12.17	106	46432	9.785	ug/l	99
70) Styrene	12.19	104	76172	9.614	ug/l	99
71) Bromoform	12.35	173	13346	9.620	ug/l #	100
73) Isopropylbenzene	12.47	105	130794	9.795	ug/l	100
74) N-amyl acetate	12.28	43	28184	9.159	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	23318	10.251	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	15948m	9.322	ug/l	
77) Bromobenzene	12.76	156	30865	9.804	ug/l	97
78) n-propylbenzene	12.81	91	161407	10.122	ug/l	99
79) 2-Chlorotoluene	12.90	91	91929	10.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	110855	9.955	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6657	9.870	ug/l	93
82) 4-Chlorotoluene	12.99	91	98757	10.210	ug/l	100
83) tert-Butylbenzene	13.21	119	92050	9.391	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	112825	9.809	ug/l	100
85) sec-Butylbenzene	13.40	105	140451	10.088	ug/l	99
86) p-Isopropyltoluene	13.51	119	122460	9.837	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	65210	10.289	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	65505	10.348	ug/l	97
89) n-Butylbenzene	13.83	91	118867	10.090	ug/l	99
90) Hexachloroethane	14.10	117	22466	10.161	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	56911	10.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4113	10.527	ug/l	98

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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	39480	9.826	ug/l	98
94) Hexachlorobutadiene	15.25	225	24921	10.585	ug/l	98
95) Naphthalene	15.38	128	62690	8.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	34733	9.821	ug/l	98

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

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