

Data File : VF058109.D
Acq On : 6 Jun 2018 16:17
Operator : JC/SY
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:35 PM

Quant Time: Jun 07 10:47:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	381929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	588672	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	580773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	351147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	23687	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
35) Dibromofluoromethane	4.29	113	22096	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
50) Toluene-d8	7.71	98	67651	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	11.51	95	36204	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	22558	4.891	ug/l	96
3) Chloromethane	1.09	50	18648	5.103	ug/l	94
4) Vinyl Chloride	1.15	62	15123	4.957	ug/l	94
5) Bromomethane	1.33	94	9499	5.499	ug/l	97
6) Chloroethane	1.42	64	5596	4.306	ug/l	90
7) Trichlorofluoromethane	1.48	101	21538m	4.648	ug/l	
8) Diethyl Ether	1.70	74	6973	6.179	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	16564	5.799	ug/l	94
10) Methyl Iodide	1.97	142	28105m	5.535	ug/l	
11) Tert butyl alcohol	2.69	59	9047	33.331	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	13680	5.505	ug/l	81
13) Acrolein	2.08	56	7706	43.644	ug/l	95
14) Allyl chloride	2.18	41	28959	6.095	ug/l	96
15) Acrylonitrile	3.07	53	13735	21.889	ug/l	93
16) Acetone	2.33	43	29133	28.028	ug/l	95
17) Carbon Disulfide	1.84	76	37301m	5.230	ug/l	
18) Methyl Acetate	2.45	43	11331m	5.846	ug/l	
19) Methyl tert-butyl Ether	2.54	73	41076	5.278	ug/l	97
20) Methylene Chloride	2.28	84	15780m	6.201	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	15816	5.895	ug/l	89
22) Diisopropyl ether	2.92	45	52920	5.690	ug/l #	94
23) Vinyl Acetate	3.32	43	163738	24.027	ug/l	99
24) 1,1-Dichloroethane	3.00	63	30740	5.335	ug/l	97
25) 2-Butanone	4.51	43	48026	28.484	ug/l	99
26) 2,2-Dichloropropane	3.75	77	24046	5.905	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	22285	4.995	ug/l	95
28) Bromochloromethane	3.89	49	13052	5.128	ug/l	82
29) Tetrahydrofuran	4.25	42	19587	25.167	ug/l	96
30) Chloroform	4.03	83	44370	5.134	ug/l	96
31) Cyclohexane	3.86	56	29184	5.382	ug/l #	85
32) 1,1,1-Trichloroethane	4.27	97	33322	5.432	ug/l	92
36) 1,1-Dichloropropene	4.46	75	31751	5.333	ug/l	92
37) Ethyl Acetate	4.29	43	19946	5.682	ug/l	90
38) Carbon Tetrachloride	4.16	117	30806m	4.870	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	33253	5.405	ug/l	94
40) Benzene	4.80	78	77025	5.526	ug/l	94
41) Methacrylonitrile	4.92	41	9267	5.212	ug/l	96
42) 1,2-Dichloroethane	5.12	62	29495	4.928	ug/l	94
43) Isopropyl Acetate	7.11	43	25960	5.454	ug/l #	94
44) Trichloroethene	5.67	130	23200	5.344	ug/l	99
45) 1,2-Dichloropropane	6.41	63	20827	5.140	ug/l	97
46) Dibromomethane	6.24	93	14403	4.709	ug/l	88
47) Bromodichloromethane	6.55	83	35052	5.194	ug/l #	95
48) Methyl methacrylate	6.87	41	13916	4.626	ug/l	92
49) 1,4-Dioxane	6.86	88	2481	119.511	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	96391	29.174	ug/l	98
52) Toluene	7.78	92	54112	5.467	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	36543	5.667	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	37975	5.126	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	17884	4.970	ug/l	95
56) Ethyl methacrylate	8.76	69	22419	4.927	ug/l	97
57) 1,3-Dichloropropane	8.99	76	30967	4.943	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	8828	28.060	ug/l	100
59) 2-Hexanone	9.63	43	79167	30.600	ug/l	97
60) Dibromochloromethane	8.86	129	25279	4.941	ug/l	97
61) 1,2-Dibromoethane	9.13	107	21075	4.909	ug/l	100
64) Tetrachloroethene	8.30	164	23920	5.456	ug/l	93
65) Chlorobenzene	9.94	112	61824	5.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	24094	5.238	ug/l	90
67) Ethyl Benzene	10.04	91	108859	5.263	ug/l	99
68) m/p-Xylenes	10.26	106	83104	10.838	ug/l	92
69) o-Xylene	10.83	106	44529	5.332	ug/l	91
70) Styrene	10.91	104	68888	5.501	ug/l	93
71) Bromoform	10.89	173	15018	4.748	ug/l	97
73) Isopropylbenzene	11.23	105	136653	5.480	ug/l	100
74) N-amyl acetate	11.47	43	47290	5.085	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	31810	5.325	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	22771	5.224	ug/l	98
77) Bromobenzene	11.60	156	32593	5.245	ug/l	88
78) n-propylbenzene	11.68	91	165799	5.564	ug/l	95
79) 2-Chlorotoluene	11.81	91	97152	5.519	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	115182	5.572	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	15388	5.574	ug/l	93
82) 4-Chlorotoluene	11.99	91	103493	5.575	ug/l	98
83) tert-Butylbenzene	12.22	119	114912	5.558	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	118764	5.538	ug/l	93
85) sec-Butylbenzene	12.38	105	160362	5.726	ug/l	93
86) p-Isopropyltoluene	12.54	119	123761	5.301	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	66109	5.771	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	59836	5.441	ug/l	90
89) n-Butylbenzene	12.92	91	136336	5.603	ug/l	89
90) Hexachloroethane	12.99	117	29014	5.153	ug/l	79
91) 1,2-Dichlorobenzene	13.01	146	60651	5.454	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5238	4.597	ug/l	71

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	41375	5.305	ug/l	95
94) Hexachlorobutadiene	14.26	225	23859	5.299	ug/l	95
95) Naphthalene	14.52	128	82743	4.970	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	36180	4.924	ug/l	96

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

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