

Data File : VF058111.D
Acq On : 6 Jun 2018 17:13
Operator : JC/SY
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:42 PM

Quant Time: Jun 07 06:52:10 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	347657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	561785	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	546947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	317684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	80545	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	
35) Dibromofluoromethane	4.28	113	80299	19.27	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	38.54%	
50) Toluene-d8	7.71	98	225863	18.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.58%	
62) 4-Bromofluorobenzene	11.51	95	119331	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	82368	19.618 ug/l	100
3) Chloromethane	1.08	50	58784	17.672 ug/l	97
4) Vinyl Chloride	1.15	62	53432	19.240 ug/l #	85
5) Bromomethane	1.34	94	30091	19.136 ug/l	90
6) Chloroethane	1.43	64	22454	18.980 ug/l	96
7) Trichlorofluoromethane	1.49	101	84565m	20.047 ug/l	
8) Diethyl Ether	1.70	74	20226	19.689 ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	53197	20.461 ug/l	97
10) Methyl Iodide	1.96	142	94656	20.478 ug/l	98
11) Tert butyl alcohol	2.69	59	25054	101.404 ug/l	97
12) 1,1-Dichloroethene	1.85	96	45545	20.133 ug/l	98
13) Acrolein	2.09	56	25921	161.279 ug/l	99
14) Allyl chloride	2.19	41	89268	20.640 ug/l	92
15) Acrylonitrile	3.07	53	52563	92.027 ug/l	95
16) Acetone	2.33	43	98075	103.658 ug/l	92
17) Carbon Disulfide	1.84	76	124312m	19.149 ug/l	
18) Methyl Acetate	2.45	43	31786	18.015 ug/l	94
19) Methyl tert-butyl Ether	2.54	73	142838	20.162 ug/l	96
20) Methylene Chloride	2.27	84	46540m	20.092 ug/l	
21) trans-1,2-Dichloroethene	2.41	96	50263	20.582 ug/l	93
22) Diisopropyl ether	2.92	45	176657	20.866 ug/l	95
23) Vinyl Acetate	3.33	43	623136	100.453 ug/l	99
24) 1,1-Dichloroethane	3.00	63	110264	21.025 ug/l	99
25) 2-Butanone	4.51	43	154046	100.370 ug/l	99
26) 2,2-Dichloropropane	3.76	77	79361	21.412 ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	80764	19.888 ug/l	97
28) Bromochloromethane	3.89	49	53712	23.183 ug/l	88
29) Tetrahydrofuran	4.26	42	70956	100.158 ug/l	98
30) Chloroform	4.03	83	157568	20.028 ug/l	97
31) Cyclohexane	3.86	56	91502	18.538 ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	119816	21.456 ug/l	91
36) 1,1-Dichloropropene	4.45	75	105942	18.646 ug/l	97
37) Ethyl Acetate	4.29	43	72807	21.731 ug/l #	81
38) Carbon Tetrachloride	4.17	117	122578m	20.306 ug/l	

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39) Methylcyclohexane	5.63	83	108377	18.459	ug/l	98
40) Benzene	4.81	78	254202	19.109	ug/l	94
41) Methacrylonitrile	4.92	41	32732	19.292	ug/l #	89
42) 1,2-Dichloroethane	5.11	62	115600	20.237	ug/l	97
43) Isopropyl Acetate	7.11	43	84828	18.676	ug/l #	96
44) Trichloroethene	5.67	130	79067	19.083	ug/l	93
45) 1,2-Dichloropropane	6.40	63	75043	19.405	ug/l	96
46) Dibromomethane	6.26	93	54458	18.655	ug/l	91
47) Bromodichloromethane	6.55	83	126143	19.585	ug/l	97
48) Methyl methacrylate	6.87	41	54431	18.958	ug/l	97
49) 1,4-Dioxane	6.87	88	8123	410.017	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	313668	99.479	ug/l	100
52) Toluene	7.77	92	183221	19.398	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	122057	19.836	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	146640	20.742	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	68990	20.091	ug/l	98
56) Ethyl methacrylate	8.76	69	82562	19.011	ug/l	97
57) 1,3-Dichloropropane	9.00	76	117755	19.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	30062	100.127	ug/l	100
59) 2-Hexanone	9.63	43	242750	98.318	ug/l	97
60) Dibromochloromethane	8.86	129	96683	19.801	ug/l	96
61) 1,2-Dibromoethane	9.13	107	77849	19.002	ug/l	97
64) Tetrachloroethene	8.31	164	77705	18.821	ug/l	87
65) Chlorobenzene	9.94	112	223163	20.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	90749	20.949	ug/l	96
67) Ethyl Benzene	10.04	91	393524	20.204	ug/l	98
68) m/p-Xylenes	10.27	106	303826	42.074	ug/l	97
69) o-Xylene	10.83	106	159797	20.317	ug/l	97
70) Styrene	10.90	104	239908	20.343	ug/l	99
71) Bromoform	10.89	173	59397	19.938	ug/l #	94
73) Isopropylbenzene	11.22	105	463058	20.525	ug/l	96
74) N-amyl acetate	11.46	43	165990	19.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	107622	19.915	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	78631	19.940	ug/l	96
77) Bromobenzene	11.59	156	114485	20.364	ug/l	99
78) n-propylbenzene	11.69	91	543490	20.161	ug/l	96
79) 2-Chlorotoluene	11.82	91	321549	20.192	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	380897	20.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	50292	20.137	ug/l	98
82) 4-Chlorotoluene	11.99	91	342123	20.371	ug/l	99
83) tert-Butylbenzene	12.21	119	390627	20.883	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	391994	20.204	ug/l	96
85) sec-Butylbenzene	12.39	105	508811	20.081	ug/l	99
86) p-Isopropyltoluene	12.54	119	432730	20.486	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	213428	20.593	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	206117	20.715	ug/l	97
89) n-Butylbenzene	12.92	91	467807	21.249	ug/l	95
90) Hexachloroethane	12.99	117	105478	20.706	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	204396	20.316	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	20861	20.239	ug/l	65

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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	14.27	180	144372	20.460	ug/l	99
94) Hexachlorobutadiene	14.25	225	81317	19.961	ug/l	97
95) Naphthalene	14.53	128	299201	19.863	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	134317	20.204	ug/l	98

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

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