

Data File : VF059116.D
Acq On : 6 Jun 2018 20:00
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICV050

Manual Integrations
APPROVED

apatel
6/7/2018 12:39:34 PM

Quant Time: Jun 07 11:00:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	361551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	583717	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	564490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	324252	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	212172	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	4.29	113	206385	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	7.70	98	623957	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.51	95	294867	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.99	85	207677	50.750	ug/l	97
3) Chloromethane	1.09	50	170339	53.739	ug/l	98
4) Vinyl Chloride	1.15	62	158468	55.413	ug/l	98
5) Bromomethane	1.33	94	92005	55.215	ug/l	98
6) Chloroethane	1.42	64	71366	60.145	ug/l	96
7) Trichlorofluoromethane	1.48	101	235857m	53.059	ug/l	
8) Diethyl Ether	1.70	74	57465	51.382	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	142167	50.182	ug/l	100
10) Methyl Iodide	1.95	142	266111	53.683	ug/l	93
11) Tert butyl alcohol	2.67	59	64585	229.879	ug/l	98
12) 1,1-Dichloroethene	1.85	96	123656	51.906	ug/l	89
13) Acrolein	2.08	56	61006	250.872	ug/l	99
14) Allyl chloride	2.18	41	249105	53.275	ug/l	96
15) Acrylonitrile	3.07	53	146388	262.347	ug/l	95
16) Acetone	2.33	43	266238	254.304	ug/l	96
17) Carbon Disulfide	1.84	76	371156m	55.490	ug/l	
18) Methyl Acetate	2.44	43	90824	50.465	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	388492	52.531	ug/l	100
20) Methylene Chloride	2.27	84	129014	51.466	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	129790	49.677	ug/l	98
22) Diisopropyl ether	2.92	45	485748	52.847	ug/l	95
23) Vinyl Acetate	3.32	43	1659561	273.839	ug/l	99
24) 1,1-Dichloroethane	3.00	63	286970	51.498	ug/l	100
25) 2-Butanone	4.50	43	399507	246.139	ug/l	98
26) 2,2-Dichloropropane	3.76	77	189926	46.980	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	197577	49.135	ug/l	94
28) Bromochloromethane	3.89	49	127058	50.658	ug/l #	94
29) Tetrahydrofuran	4.24	42	189123	264.440	ug/l	98
30) Chloroform	4.03	83	390258	48.956	ug/l	100
31) Cyclohexane	3.87	56	254340	52.249	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	291269	48.943	ug/l	97
36) 1,1-Dichloropropene	4.46	75	292250	51.653	ug/l	95
37) Ethyl Acetate	4.28	43	175475	50.194	ug/l	99
38) Carbon Tetrachloride	4.16	117	335251	54.673	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	301463	52.271	ug/l	99
40) Benzene	4.80	78	659975	50.255	ug/l	96
41) Methacrylonitrile	4.92	41	87060	50.689	ug/l	94
42) 1,2-Dichloroethane	5.11	62	296922	50.411	ug/l	98
43) Isopropyl Acetate	7.11	43	248837	53.148	ug/l #	93
44) Trichloroethene	5.67	130	202872	49.440	ug/l	98
45) 1,2-Dichloropropane	6.40	63	189684	50.093	ug/l	98
46) Dibromomethane	6.25	93	140809	49.424	ug/l	91
47) Bromodichloromethane	6.54	83	324021	49.993	ug/l	97
48) Methyl methacrylate	6.86	41	148355	51.400	ug/l	100
49) 1,4-Dioxane	6.86	88	19103	906.313	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	803252	250.312	ug/l	100
52) Toluene	7.77	92	461397	48.778	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	296781	47.282	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	365290	50.661	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	171981	50.173	ug/l	96
56) Ethyl methacrylate	8.76	69	221927	51.365	ug/l	99
57) 1,3-Dichloropropane	8.99	76	292896	49.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	76251	246.813	ug/l	100
59) 2-Hexanone	9.62	43	650098	256.115	ug/l	99
60) Dibromochloromethane	8.86	129	244108	49.559	ug/l	97
61) 1,2-Dibromoethane	9.13	107	204478	51.339	ug/l	99
64) Tetrachloroethene	8.30	164	209327	50.559	ug/l	93
65) Chlorobenzene	9.94	112	575213	51.459	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	213306	47.971	ug/l	94
67) Ethyl Benzene	10.04	91	970050	49.944	ug/l	99
68) m/p-Xylenes	10.26	106	712460	97.975	ug/l	99
69) o-Xylene	10.83	106	399197	50.793	ug/l	98
70) Styrene	10.90	104	588890	49.523	ug/l	98
71) Bromoform	10.88	173	154084	51.026	ug/l	100
73) Isopropylbenzene	11.23	105	1091320	48.613	ug/l	96
74) N-amyl acetate	11.46	43	421354	52.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	258509	48.570	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	187509	47.703	ug/l	97
77) Bromobenzene	11.59	156	272213	48.180	ug/l	87
78) n-propylbenzene	11.68	91	1259995	47.418	ug/l	97
79) 2-Chlorotoluene	11.81	91	747895	47.644	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	899466	48.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	122457	48.049	ug/l	99
82) 4-Chlorotoluene	11.99	91	815886	48.821	ug/l	97
83) tert-Butylbenzene	12.22	119	893069	48.407	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	944721	49.072	ug/l	97
85) sec-Butylbenzene	12.38	105	1236409	49.320	ug/l	99
86) p-Isopropyltoluene	12.54	119	1019035	49.491	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	491642	47.132	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	497583	49.500	ug/l	97
89) n-Butylbenzene	12.92	91	1024662	47.724	ug/l	99
90) Hexachloroethane	12.99	117	252344	49.766	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	485814	48.345	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	53743	51.478	ug/l	70

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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	358940	51.069	ug/l	97
94) Hexachlorobutadiene	14.26	225	208621	51.292	ug/l	97
95) Naphthalene	14.52	128	771701	51.403	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	339239	52.230	ug/l	97

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

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