

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060512.D
 Acq On : 25 Oct 2018 17:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF102518

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:28:05 AM

Quant Time: Oct 26 02:25:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	238925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	393574	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	324314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	187286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	204703	43.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.22%	
35) Dibromofluoromethane	4.29	113	194869	41.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.62%	
50) Toluene-d8	7.71	98	460594	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.51	95	204606	38.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	205467	34.596	ug/l	90
3) Chloromethane	1.15	50	123561	40.926	ug/l	93
4) Vinyl Chloride	1.20	62	140175	40.225	ug/l	96
5) Bromomethane	1.36	94	128652	36.656	ug/l	96
6) Chloroethane	1.43	64	84128	38.947	ug/l	96
7) Trichlorofluoromethane	1.54	101	395737m	35.479	ug/l	
8) Diethyl Ether	1.70	74	42985	41.320	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	180328	38.166	ug/l	89
10) Methyl Iodide	1.97	142	275041	41.201	ug/l #	89
11) Tert butyl alcohol	2.69	59	41785	187.201	ug/l #	91
12) 1,1-Dichloroethene	1.86	96	130057	38.234	ug/l	76
13) Acrolein	2.08	56	47017	222.605	ug/l	95
14) Allyl chloride	2.19	41	228793	42.021	ug/l	85
15) Acrylonitrile	3.07	53	94177	246.362	ug/l #	87
16) Acetone	2.34	43	179758	184.166	ug/l	97
17) Carbon Disulfide	1.89	76	365272	39.192	ug/l	99
18) Methyl Acetate	2.45	43	70698m	45.335	ug/l	
19) Methyl tert-butyl Ether	2.54	73	336411	39.511	ug/l	98
20) Methylene Chloride	2.28	84	123674	42.248	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	138151	42.575	ug/l	85
22) Diisopropyl ether	2.92	45	430813	44.611	ug/l #	95
23) Vinyl Acetate	3.33	43	728855	238.604	ug/l	99
24) 1,1-Dichloroethane	3.00	63	304278	41.318	ug/l	99
25) 2-Butanone	4.51	43	209900	248.898	ug/l	97
26) 2,2-Dichloropropane	3.76	77	195703	40.179	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	151683	48.973	ug/l	86
28) Bromochloromethane	3.89	49	100812	46.523	ug/l #	91
29) Tetrahydrofuran	4.26	42	75570	257.480	ug/l	95
30) Chloroform	4.04	83	366108	43.105	ug/l	86
31) Cyclohexane	3.86	56	179177	49.274	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	319614	40.759	ug/l	99
36) 1,1-Dichloropropene	4.46	75	233603	40.104	ug/l	95
37) Ethyl Acetate	4.28	43	68782	41.958	ug/l #	93
38) Carbon Tetrachloride	4.17	117	293221m	33.266	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	210328	44.244	ug/l	85
40) Benzene	4.80	78	445040	46.437	ug/l	99
41) Methacrylonitrile	4.91	41	42251	43.259	ug/l #	82
42) 1,2-Dichloroethane	5.12	62	235178	37.963	ug/l	100
43) Isopropyl Acetate	7.11	43	98912	49.272	ug/l #	91
44) Trichloroethene	5.67	130	138675	41.474	ug/l	99
45) 1,2-Dichloropropane	6.40	63	116113	47.846	ug/l	99
46) Dibromomethane	6.25	93	93979	41.268	ug/l	95
47) Bromodichloromethane	6.55	83	253010	39.602	ug/l	99
48) Methyl methacrylate	6.87	41	69078	45.648	ug/l #	85
49) 1,4-Dioxane	6.86	88	11898	912.532	ug/l #	89
51) 4-Methyl-2-Pentanone	8.40	43	340616	217.198	ug/l	93
52) Toluene	7.78	92	295093	46.827	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	179912	38.030	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	218260	44.787	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	84679	42.445	ug/l	93
56) Ethyl methacrylate	8.76	69	102607	48.220	ug/l	93
57) 1,3-Dichloropropane	9.00	76	147904	42.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	61334	208.445	ug/l	100
59) 2-Hexanone	9.62	43	315600	319.060	ug/l	98
60) Dibromochloromethane	8.87	129	149925	39.571	ug/l	88
61) 1,2-Dibromoethane	9.13	107	97952	41.297	ug/l	100
64) Tetrachloroethene	8.30	164	129155	47.242	ug/l	89
65) Chlorobenzene	9.94	112	322185	47.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	155945	44.185	ug/l	94
67) Ethyl Benzene	10.04	91	640143	45.976	ug/l	100
68) m/p-Xylenes	10.27	106	412503	94.372	ug/l	95
69) o-Xylene	10.83	106	236555	48.245	ug/l	94
70) Styrene	10.91	104	316440	46.228	ug/l	93
71) Bromoform	10.89	173	77479	41.257	ug/l #	97
73) Isopropylbenzene	11.23	105	745126	50.083	ug/l	98
74) N-amyl acetate	11.46	43	227384	86.063	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	112906	52.668	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	91894	49.097	ug/l	100
77) Bromobenzene	11.60	156	157966	50.927	ug/l	94
78) n-propylbenzene	11.68	91	863171	49.626	ug/l	98
79) 2-Chlorotoluene	11.81	91	514694	48.830	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	622080	47.611	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	36927m	46.904	ug/l	
82) 4-Chlorotoluene	11.99	91	542266	48.691	ug/l	98
83) tert-Butylbenzene	12.22	119	616741	46.730	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	617010	47.640	ug/l	92
85) sec-Butylbenzene	12.38	105	826895	46.684	ug/l	99
86) p-Isopropyltoluene	12.54	119	716222	47.595	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	301730	47.860	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	301614	49.388	ug/l	96
89) n-Butylbenzene	12.92	91	730933	45.663	ug/l	98
90) Hexachloroethane	13.00	117	185172	46.896	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	294522	48.708	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	26284	48.097	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	227179	46.142	ug/l	95
94) Hexachlorobutadiene	14.26	225	164595	44.699	ug/l	97
95) Naphthalene	14.52	128	483588	62.274	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	223812	49.421	ug/l	96

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

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