

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060496.D
 Acq On : 9 Oct 2018 17:39
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:03 PM

Quant Time: Oct 10 02:18:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	256707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	447617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	407089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	219417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	543069	135.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.62%	
35) Dibromofluoromethane	4.26	113	552022	131.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.80%	
50) Toluene-d8	7.68	98	1357456	132.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.88%	
62) 4-Bromofluorobenzene	11.49	95	594688	127.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	254.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	650599	110.971	ug/l	99
3) Chloromethane	1.13	50	406754	118.906	ug/l	98
4) Vinyl Chloride	1.18	62	442221	123.525	ug/l	96
5) Bromomethane	1.36	94	344688	124.514	ug/l	92
6) Chloroethane	1.41	64	233794	131.233	ug/l	99
7) Trichlorofluoromethane	1.53	101	1007531	121.996	ug/l	90
8) Diethyl Ether	1.69	74	153794	132.987	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.88	101	504904	126.471	ug/l	94
10) Methyl Iodide	1.95	142	847853	138.094	ug/l	96
11) Tert butyl alcohol	2.68	59	133576	562.536	ug/l	96
12) 1,1-Dichloroethene	1.84	96	404939	128.940	ug/l	91
13) Acrolein	2.07	56	76287	430.823	ug/l	97
14) Allyl chloride	2.17	41	724887	147.775	ug/l #	92
15) Acrylonitrile	3.05	53	296588	711.273	ug/l	98
16) Acetone	2.32	43	450965	473.366	ug/l	94
17) Carbon Disulfide	1.90	76	1152473	124.041	ug/l	95
18) Methyl Acetate	2.43	43	219022	130.232	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	1022170	135.354	ug/l	99
20) Methylene Chloride	2.30	84	386371m	110.500	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	423902	135.853	ug/l	91
22) Diisopropyl ether	2.90	45	1290812	139.408	ug/l	98
23) Vinyl Acetate	3.31	43	2295820	641.723	ug/l	98
24) 1,1-Dichloroethane	2.98	63	843144	135.273	ug/l	100
25) 2-Butanone	4.48	43	609618	591.922	ug/l	95
26) 2,2-Dichloropropane	3.73	77	439203	127.046	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	468507	133.974	ug/l	99
28) Bromochloromethane	3.86	49	292557	132.492	ug/l #	87
29) Tetrahydrofuran	4.22	42	250046	600.679	ug/l	97
30) Chloroform	4.01	83	1031022	137.235	ug/l	98
31) Cyclohexane	3.83	56	555376	128.400	ug/l #	95
32) 1,1,1-Trichloroethane	4.24	97	815992	132.127	ug/l	95
36) 1,1-Dichloropropene	4.43	75	679985	124.265	ug/l	96
37) Ethyl Acetate	4.26	43	240502	115.031	ug/l #	74
38) Carbon Tetrachloride	4.13	117	761593m	117.812	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	626843	115.356	ug/l	100
40) Benzene	4.78	78	1374045	124.896	ug/l	98
41) Methacrylonitrile	4.89	41	138194	123.215	ug/l	97
42) 1,2-Dichloroethane	5.08	62	659794	126.607	ug/l	98
43) Isopropyl Acetate	7.08	43	330974	130.460	ug/l #	90
44) Trichloroethene	5.64	130	429017	121.290	ug/l	100
45) 1,2-Dichloropropane	6.37	63	361962	125.318	ug/l	91
46) Dibromomethane	6.22	93	287235	123.441	ug/l	89
47) Bromodichloromethane	6.52	83	741774	127.951	ug/l	98
48) Methyl methacrylate	6.85	41	230653	127.178	ug/l	94
49) 1,4-Dioxane	6.84	88	38439	2451.710	ug/l #	75
51) 4-Methyl-2-Pentanone	8.37	43	1030620	572.335	ug/l	98
52) Toluene	7.75	92	944445	127.737	ug/l	90
53) t-1,3-Dichloropropene	8.40	75	575187	126.720	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	683422	130.071	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	304483	130.004	ug/l	97
56) Ethyl methacrylate	8.74	69	354390	133.657	ug/l	94
57) 1,3-Dichloropropane	8.97	76	503585	127.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	164123	601.911	ug/l	100
59) 2-Hexanone	9.61	43	798514	605.908	ug/l	96
60) Dibromochloromethane	8.84	129	485424	138.092	ug/l	99
61) 1,2-Dibromoethane	9.11	107	350196	136.670	ug/l	100
64) Tetrachloroethene	8.27	164	417542	127.746	ug/l	94
65) Chlorobenzene	9.92	112	1044823	125.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	452202	123.844	ug/l	97
67) Ethyl Benzene	10.02	91	1896368	119.289	ug/l	97
68) m/p-Xylenes	10.25	106	1319851	242.701	ug/l	84
69) o-Xylene	10.81	106	709002	119.501	ug/l	91
70) Styrene	10.89	104	1033582	122.716	ug/l	97
71) Bromoform	10.87	173	261692	135.042	ug/l #	98
73) Isopropylbenzene	11.21	105	2044188	117.420	ug/l	92
74) N-amyl acetate	11.45	43	506144	128.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	375628	120.412	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	274503	118.405	ug/l	94
77) Bromobenzene	11.58	156	485903	125.077	ug/l	92
78) n-propylbenzene	11.68	91	2306967	110.348	ug/l	93
79) 2-Chlorotoluene	11.79	91	1441216	117.574	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	1668810	113.578	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	138645m	136.780	ug/l	
82) 4-Chlorotoluene	11.97	91	1498648	118.662	ug/l	99
83) tert-Butylbenzene	12.20	119	1621406	111.867	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1717734	117.364	ug/l	93
85) sec-Butylbenzene	12.38	105	2222918	110.863	ug/l	93
86) p-Isopropyltoluene	12.52	119	1833666	111.915	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	844796	115.631	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	864854	120.337	ug/l	96
89) n-Butylbenzene	12.91	91	1878706	108.766	ug/l	89
90) Hexachloroethane	12.98	117	486853	116.388	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	819371	116.947	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	83838	134.858	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	596587	113.840	ug/l	98
94) Hexachlorobutadiene	14.24	225	439964	119.382	ug/l	98
95) Naphthalene	14.50	128	1204137	128.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	602815	122.110	ug/l	96

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

