

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060537.D
 Acq On : 29 Oct 2018 19:19
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:07:33 PM

Quant Time: Oct 30 04:59:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	272955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	449104	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	377001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	216515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	635872	121.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.30%	
35) Dibromofluoromethane	4.30	113	592163	113.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.80%	
50) Toluene-d8	7.72	98	1414886	130.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.28%	
62) 4-Bromofluorobenzene	11.52	95	627657	107.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	661419	93.997	ug/l	97
3) Chloromethane	1.15	50	414310	122.250	ug/l	89
4) Vinyl Chloride	1.19	62	468391	122.068	ug/l	95
5) Bromomethane	1.37	94	371346	98.720	ug/l	97
6) Chloroethane	1.43	64	264092	113.691	ug/l	95
7) Trichlorofluoromethane	1.55	101	1100871	93.090	ug/l	97
8) Diethyl Ether	1.71	74	161778	140.760	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	530527	103.899	ug/l	94
10) Methyl Iodide	1.98	142	914475	125.009	ug/l	91
11) Tert butyl alcohol	2.70	59	152921	557.956	ug/l	100
12) 1,1-Dichloroethene	1.87	96	461772	124.393	ug/l	95
13) Acrolein	2.09	56	118556	522.499	ug/l	98
14) Allyl chloride	2.19	41	766905	128.732	ug/l	86
15) Acrylonitrile	3.08	53	328866	752.279	ug/l	96
16) Acetone	2.34	43	612646	500.468	ug/l	98
17) Carbon Disulfide	1.92	76	1272126	122.510	ug/l	95
18) Methyl Acetate	2.46	43	208061	120.901	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	1101290	119.271	ug/l	98
20) Methylene Chloride	2.28	84	426244m	113.756	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	481229	133.528	ug/l	98
22) Diisopropyl ether	2.93	45	1364734	128.323	ug/l	98
23) Vinyl Acetate	3.34	43	2398842	689.207	ug/l	98
24) 1,1-Dichloroethane	3.01	63	962223	120.362	ug/l	98
25) 2-Butanone	4.52	43	684473	696.799	ug/l	95
26) 2,2-Dichloropropane	3.77	77	492344	92.581	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	523709	146.216	ug/l	98
28) Bromochloromethane	3.90	49	312449	125.865	ug/l	98
29) Tetrahydrofuran	4.25	42	244745	636.323	ug/l	99
30) Chloroform	4.05	83	1139494	120.539	ug/l	99
31) Cyclohexane	3.87	56	630940	148.351	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	920149	107.180	ug/l	97
36) 1,1-Dichloropropene	4.47	75	807446	123.941	ug/l	97
37) Ethyl Acetate	4.30	43	244419	113.740	ug/l #	76
38) Carbon Tetrachloride	4.18	117	898120m	94.699	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	763705	139.260	ug/l	98
40) Benzene	4.82	78	1548424	139.757	ug/l	99
41) Methacrylonitrile	4.93	41	146509	132.442	ug/l #	94
42) 1,2-Dichloroethane	5.13	62	783412	115.881	ug/l	93
43) Isopropyl Acetate	7.12	43	319555	137.915	ug/l #	91
44) Trichloroethene	5.68	130	498499	131.271	ug/l	94
45) 1,2-Dichloropropane	6.41	63	390444	140.633	ug/l	97
46) Dibromomethane	6.26	93	329100	128.988	ug/l	95
47) Bromodichloromethane	6.56	83	853786	121.150	ug/l	99
48) Methyl methacrylate	6.88	41	235632	137.341	ug/l	97
49) 1,4-Dioxane	6.87	88	44190	2924.291	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	1043792	591.812	ug/l	98
52) Toluene	7.79	92	982065	134.621	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	624738	118.505	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	743959	134.786	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	306520	135.215	ug/l	98
56) Ethyl methacrylate	8.77	69	333898	134.812	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	487283	121.445	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	184695	577.838	ug/l	100
59) 2-Hexanone	9.63	43	697382	530.875	ug/l	93
60) Dibromochloromethane	8.88	129	509209	120.947	ug/l	94
61) 1,2-Dibromoethane	9.14	107	354598	132.293	ug/l	96
64) Tetrachloroethene	8.31	164	450777	138.815	ug/l	97
65) Chlorobenzene	9.95	112	1044004	130.511	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	504016	126.152	ug/l	95
67) Ethyl Benzene	10.05	91	1961085	121.873	ug/l	95
68) m/p-Xylenes	10.29	106	1325864	260.261	ug/l	89
69) o-Xylene	10.84	106	751838	130.253	ug/l	100
70) Styrene	10.92	104	1067120	132.211	ug/l	96
71) Bromoform	10.90	173	275417	127.975	ug/l #	92
73) Isopropylbenzene	11.23	105	2149529	125.018	ug/l	96
74) N-amyl acetate	11.47	43	476358	152.594	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	378437	148.343	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	300318	138.545	ug/l	99
77) Bromobenzene	11.61	156	516719	142.868	ug/l	82
78) n-propylbenzene	11.69	91	2467866	123.088	ug/l	93
79) 2-Chlorotoluene	11.82	91	1539884	126.766	ug/l	87
80) 1,3,5-Trimethylbenzene	11.92	105	1827110	121.407	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	133386m	146.511	ug/l	
82) 4-Chlorotoluene	12.00	91	1572440	122.269	ug/l	92
83) tert-Butylbenzene	12.23	119	1730663	115.387	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	1867923	125.380	ug/l	94
85) sec-Butylbenzene	12.39	105	2453804	120.573	ug/l	94
86) p-Isopropyltoluene	12.54	119	2010513	116.815	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	924781	126.328	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	937331	132.987	ug/l	97
89) n-Butylbenzene	12.93	91	1963660	107.101	ug/l	92
90) Hexachloroethane	13.01	117	566101	125.728	ug/l	70
91) 1,2-Dichlorobenzene	13.03	146	880739	125.512	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	93855	151.453	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	647449	115.279	ug/l	94
94) Hexachlorobutadiene	14.26	225	484973	117.179	ug/l	95
95) Naphthalene	14.52	128	1286370	142.461	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	650014	125.641	ug/l	96

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

