

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060195.D
 Acq On : 29 Aug 2018 17:53
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:31:36 PM

Quant Time: Aug 30 08:34:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	157191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	246951	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	252569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	159142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	429447	328.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	656.50%	
35) Dibromofluoromethane	4.30	113	321148	186.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	373.40%	
50) Toluene-d8	7.72	98	792793	143.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.76%	
62) 4-Bromofluorobenzene	11.51	95	450048	199.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	398.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	400547	127.01	ug/l	98
3) Chloromethane	1.08	50	249739	194.15	ug/l	93
4) Vinyl Chloride	1.12	62	195334	160.66	ug/l	100
5) Bromomethane	1.32	94	150552	217.80	ug/l	97
6) Chloroethane	1.39	64	91750	127.74	ug/l	92
7) Trichlorofluoromethane	1.48	101	367986m	70.37	ug/l	
8) Diethyl Ether	1.71	74	78632	307.35	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.85	101	236979	102.97	ug/l	94
10) Methyl Iodide	1.93	142	205384	167.09	ug/l	94
11) Tert butyl alcohol	2.70	59	111469	3109.06	ug/l	98
12) 1,1-Dichloroethene	1.82	96	157123	108.07	ug/l	97
13) Acrolein	2.09	56	63063	2042.21	ug/l	99
14) Allyl chloride	2.19	41	213753	161.83	ug/l	97
15) Acrylonitrile	3.09	53	163633	2221.12	ug/l	99
16) Acetone	2.35	43	443681	2074.87	ug/l	98
17) Carbon Disulfide	1.84	76	532063	124.50	ug/l	99
18) Methyl Acetate	2.46	43	133929	312.13	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	589457	378.65	ug/l	98
20) Methylene Chloride	2.28	84	180397	190.53	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	175403	139.76	ug/l	95
22) Diisopropyl ether	2.93	45	642931	268.39	ug/l	97
23) Vinyl Acetate	3.34	43	2075849	2454.45	ug/l #	93
24) 1,1-Dichloroethane	3.01	63	397139	176.47	ug/l	100
25) 2-Butanone	4.52	43	585056	2543.43	ug/l	99
26) 2,2-Dichloropropane	3.77	77	509511	281.20	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	251434	247.86	ug/l	94
28) Bromochloromethane	3.89	49	130130	231.73	ug/l	100
29) Tetrahydrofuran	4.26	42	217870	2328.61	ug/l	95
30) Chloroform	4.04	83	621899	226.75	ug/l	94
31) Cyclohexane	3.86	56	292436	144.71	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	587968	166.46	ug/l	99
36) 1,1-Dichloropropene	4.47	75	405904	122.75	ug/l	96
37) Ethyl Acetate	4.30	43	238674	377.60	ug/l #	76
38) Carbon Tetrachloride	4.17	117	551618	123.02	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	352943	114.26	ug/l	97
40) Benzene	4.81	78	755550	158.41	ug/l	98
41) Methacrylonitrile	4.93	41	111977	344.57	ug/l	98
42) 1,2-Dichloroethane	5.13	62	540473	266.99	ug/l	100
43) Isopropyl Acetate	7.12	43	308253	398.98	ug/l	100
44) Trichloroethene	5.68	130	261262	132.63	ug/l	100
45) 1,2-Dichloropropane	6.41	63	215214	198.24	ug/l	92
46) Dibromomethane	6.26	93	207825	309.83	ug/l	94
47) Bromodichloromethane	6.56	83	524329	237.85	ug/l	96
48) Methyl methacrylate	6.88	41	216257	352.41	ug/l	95
49) 1,4-Dioxane	6.87	88	38735	9098.57	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	1180185	1692.20	ug/l	100
52) Toluene	7.79	92	547317	151.58	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	448829	309.26	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	473960	269.43	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	225409	287.49	ug/l	96
56) Ethyl methacrylate	8.76	69	291993	378.20	ug/l	94
57) 1,3-Dichloropropane	9.00	76	404571	297.02	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	114728	764.57	ug/l	100
59) 2-Hexanone	9.63	43	950327	1811.76	ug/l	99
60) Dibromochloromethane	8.87	129	377331	295.61	ug/l	89
61) 1,2-Dibromoethane	9.14	107	285881	332.02	ug/l	97
64) Tetrachloroethene	8.31	164	268652	92.60	ug/l	96
65) Chlorobenzene	9.95	112	721443	141.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	321321	181.65	ug/l	97
67) Ethyl Benzene	10.05	91	1229513	111.63	ug/l	97
68) m/p-Xylenes	10.27	106	867565	235.75	ug/l	96
69) o-Xylene	10.83	106	488247	144.67	ug/l	93
70) Styrene	10.91	104	728814	167.64	ug/l	99
71) Bromoform	10.89	173	240623	321.52	ug/l #	99
73) Isopropylbenzene	11.23	105	1437371	89.43	ug/l	99
74) N-amyl acetate	11.46	43	492323	296.73	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	297465	220.02	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	260010	227.07	ug/l	95
77) Bromobenzene	11.60	156	383322	148.82	ug/l	91
78) n-propylbenzene	11.69	91	1610669	83.04	ug/l	99
79) 2-Chlorotoluene	11.82	91	989105	105.66	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	1237766	99.72	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	111453m	330.29	ug/l	
82) 4-Chlorotoluene	12.00	91	1126898	120.76	ug/l	95
83) tert-Butylbenzene	12.22	119	1144900	87.92	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1243044	114.89	ug/l	98
85) sec-Butylbenzene	12.39	105	1553910	81.61	ug/l	99
86) p-Isopropyltoluene	12.54	119	1346627	94.19	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	679604	126.98	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	695828	141.01	ug/l	97
89) n-Butylbenzene	12.92	91	1341608	107.88	ug/l	97
90) Hexachloroethane	13.00	117	333875	108.09	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	668878	154.97	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	86602	329.46	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	517091	238.59	ug/l	94
94) Hexachlorobutadiene	14.25	225	333680	95.91	ug/l	99
95) Naphthalene	14.53	128	1006287	448.73	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	535105	287.10	ug/l	95

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

