

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059868.D
 Acq On : 4 Aug 2018 6:07
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:12 AM

Quant Time: Aug 04 06:34:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	219242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	325888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	330665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	203167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	548221	136.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.80%	
35) Dibromofluoromethane	4.29	113	428792	125.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	251.58%	
50) Toluene-d8	7.72	98	1045829	132.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.48%	
62) 4-Bromofluorobenzene	11.51	95	535584	122.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	510533	159.43	ug/l	99
3) Chloromethane	1.09	50	255457	163.60	ug/l	98
4) Vinyl Chloride	1.16	62	277060	172.45	ug/l	90
5) Bromomethane	1.34	94	226592	170.37	ug/l	98
6) Chloroethane	1.41	64	151047	149.51	ug/l	94
7) Trichlorofluoromethane	1.53	101	660714m	154.44	ug/l	
8) Diethyl Ether	1.70	74	116417	163.07	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	335663	149.95	ug/l	98
10) Methyl Iodide	1.96	142	583804	164.20	ug/l	92
11) Tert butyl alcohol	2.69	59	110302	629.55	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	282241	158.58	ug/l	80
13) Acrolein	2.09	56	70313	924.32	ug/l	100
14) Allyl chloride	2.19	41	448727	157.28	ug/l	89
15) Acrylonitrile	3.07	53	207697	715.99	ug/l	96
16) Acetone	2.33	43	465655	648.03	ug/l	94
17) Carbon Disulfide	1.89	76	767982	173.33	ug/l	100
18) Methyl Acetate	2.45	43	186546	139.02	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	781593	148.01	ug/l	99
20) Methylene Chloride	2.27	84	240844m	117.06	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	279514	156.79	ug/l	90
22) Diisopropyl ether	2.92	45	920371	155.50	ug/l	89
23) Vinyl Acetate	3.33	43	2154377	716.75	ug/l	98
24) 1,1-Dichloroethane	2.99	63	607592	146.45	ug/l	100
25) 2-Butanone	4.51	43	589960	762.17	ug/l	97
26) 2,2-Dichloropropane	3.75	77	343157	120.14	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	309134	141.41	ug/l	92
28) Bromochloromethane	3.89	49	217785	135.25	ug/l	98
29) Tetrahydrofuran	4.26	42	206693	676.13	ug/l	99
30) Chloroform	4.04	83	792767	136.99	ug/l	95
31) Cyclohexane	3.86	56	339316	150.82	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	627284	138.27	ug/l	99
36) 1,1-Dichloropropene	4.46	75	518229	133.66	ug/l	98
37) Ethyl Acetate	4.29	43	231642	122.75	ug/l #	72
38) Carbon Tetrachloride	4.18	117	691004m	129.95	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	413312	141.28	ug/l	94
40) Benzene	4.81	78	935284	139.00	ug/l	98
41) Methacrylonitrile	4.93	41	121192	130.71	ug/l	95
42) 1,2-Dichloroethane	5.12	62	680333	141.59	ug/l	98
43) Isopropyl Acetate	7.11	43	289234	149.57	ug/l #	99
44) Trichloroethene	5.67	130	325648	124.82	ug/l	95
45) 1,2-Dichloropropane	6.40	63	255513	144.55	ug/l	90
46) Dibromomethane	6.26	93	243315	144.55	ug/l	96
47) Bromodichloromethane	6.55	83	654142	141.75	ug/l	98
48) Methyl methacrylate	6.88	41	226159	154.48	ug/l	94
49) 1,4-Dioxane	6.87	88	29589	2622.07	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1241909	807.56	ug/l	96
52) Toluene	7.78	92	686607	137.49	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	536277	136.73	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	566043	147.39	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	248045	138.65	ug/l	98
56) Ethyl methacrylate	8.76	69	297482	160.73	ug/l	89
57) 1,3-Dichloropropane	9.01	76	444880	143.39	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	154338	685.30	ug/l	100
59) 2-Hexanone	9.64	43	932437	767.65	ug/l	94
60) Dibromochloromethane	8.87	129	462734	143.81	ug/l	98
61) 1,2-Dibromoethane	9.14	107	317702	149.60	ug/l	99
64) Tetrachloroethene	8.31	164	378825	140.48	ug/l	99
65) Chlorobenzene	9.94	112	923324	136.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	418527	131.62	ug/l	98
67) Ethyl Benzene	10.05	91	1582039	134.51	ug/l	95
68) m/p-Xylenes	10.28	106	1085766	263.37	ug/l	84
69) o-Xylene	10.83	106	609471	139.77	ug/l	91
70) Styrene	10.91	104	873980	133.82	ug/l	99
71) Bromoform	10.89	173	278565	136.42	ug/l #	94
73) Isopropylbenzene	11.23	105	1798713	132.23	ug/l	95
74) N-amyl acetate	11.47	43	490268	146.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	334304	132.78	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	280863	130.12	ug/l	99
77) Bromobenzene	11.60	156	484566	136.87	ug/l	96
78) n-propylbenzene	11.69	91	1970035	124.19	ug/l	95
79) 2-Chlorotoluene	11.82	91	1287038	130.54	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	1565504	127.76	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	126074m	145.14	ug/l	
82) 4-Chlorotoluene	11.99	91	1401617	133.20	ug/l	98
83) tert-Butylbenzene	12.22	119	1508714	124.07	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	1609479	130.86	ug/l	94
85) sec-Butylbenzene	12.39	105	2034124	129.92	ug/l	96
86) p-Isopropyltoluene	12.55	119	1665263	120.59	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	822971	121.90	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	832602	126.08	ug/l	94
89) n-Butylbenzene	12.92	91	1585085	122.05	ug/l	92
90) Hexachloroethane	13.00	117	459398	132.53	ug/l	97
91) 1,2-Dichlorobenzene	13.03	146	839877	128.64	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	95215	152.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	638010	125.75	ug/l	93
94) Hexachlorobutadiene	14.26	225	434955	127.90	ug/l	97
95) Naphthalene	14.53	128	1343967	151.42	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	655623	133.05	ug/l	96

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

