

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060280.D
 Acq On : 19 Sep 2018 14:14
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:54:47 AM

Quant Time: Sep 20 02:37:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	265574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	441875	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	392038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	207269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	174293	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	4.29	113	191740	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	7.71	98	517778	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.50	95	216786	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	198652	42.13	ug/l	100
3) Chloromethane	1.13	50	157824	44.11	ug/l	100
4) Vinyl Chloride	1.18	62	160519	43.52	ug/l	100
5) Bromomethane	1.35	94	110621	44.71	ug/l	100
6) Chloroethane	1.43	64	82195	46.79	ug/l	100
7) Trichlorofluoromethane	1.54	101	324539	47.23	ug/l	100
8) Diethyl Ether	1.70	74	50459	44.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	167224	45.76	ug/l	100
10) Methyl Iodide	1.96	142	267028	45.32	ug/l	100
11) Tert butyl alcohol	2.68	59	46718	204.94	ug/l	100
12) 1,1-Dichloroethene	1.85	96	142093	47.02	ug/l	100
13) Acrolein	2.09	56	14624	131.24	ug/l	100
14) Allyl chloride	2.19	41	249438	47.30	ug/l	100
15) Acrylonitrile	3.06	53	114009	225.73	ug/l	100
16) Acetone	2.34	43	239443	237.76	ug/l	100
17) Carbon Disulfide	1.88	76	389851	42.74	ug/l	100
18) Methyl Acetate	2.44	43	77125	45.97	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	346129	45.94	ug/l	100
20) Methylene Chloride	2.28	84	135568m	37.87	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	138067	44.23	ug/l	100
22) Diisopropyl ether	2.92	45	461309	46.36	ug/l	100
23) Vinyl Acetate	3.32	43	888697	227.40	ug/l	100
24) 1,1-Dichloroethane	3.00	63	282320	43.75	ug/l	100
25) 2-Butanone	4.49	43	332039	244.95	ug/l	100
26) 2,2-Dichloropropane	3.75	77	178053	48.36	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	186539	45.49	ug/l	100
28) Bromochloromethane	3.88	49	114121	45.42	ug/l	100
29) Tetrahydrofuran	4.24	42	114112	229.88	ug/l	100
30) Chloroform	4.03	83	377707	48.51	ug/l	100
31) Cyclohexane	3.86	56	242210	44.44	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	298708	48.62	ug/l	100
36) 1,1-Dichloropropene	4.45	75	261586	47.46	ug/l	100
37) Ethyl Acetate	4.28	43	108977	46.73	ug/l	100
38) Carbon Tetrachloride	4.17	117	283904m	45.14	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	285489	47.79	ug/l	100
40) Benzene	4.80	78	590797	47.27	ug/l	100
41) Methacrylonitrile	4.91	41	61155	48.33	ug/l	100
42) 1,2-Dichloroethane	5.11	62	218252	47.44	ug/l	100
43) Isopropyl Acetate	7.10	43	129372	46.08	ug/l	100
44) Trichloroethene	5.67	130	179695	48.31	ug/l	100
45) 1,2-Dichloropropane	6.40	63	154929	47.90	ug/l	100
46) Dibromomethane	6.25	93	111059	48.04	ug/l	100
47) Bromodichloromethane	6.54	83	265447	47.78	ug/l	100
48) Methyl methacrylate	6.86	41	88729	45.02	ug/l	100
49) 1,4-Dioxane	6.86	88	17247	979.51	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	544422	251.59	ug/l	100
52) Toluene	7.78	92	371653	47.01	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	213393	47.61	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	276175	48.92	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	120927	50.39	ug/l	100
56) Ethyl methacrylate	8.75	69	135391	46.72	ug/l	100
57) 1,3-Dichloropropane	8.99	76	198729	50.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	58690	229.07	ug/l	100
59) 2-Hexanone	9.62	43	394086	255.78	ug/l	100
60) Dibromochloromethane	8.86	129	178830	50.00	ug/l	100
61) 1,2-Dibromoethane	9.13	107	127096	47.56	ug/l	100
64) Tetrachloroethene	8.30	164	169373	47.66	ug/l	100
65) Chlorobenzene	9.94	112	428169	48.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	173478	47.05	ug/l	100
67) Ethyl Benzene	10.03	91	787131	47.91	ug/l	100
68) m/p-Xylenes	10.26	106	530283	93.43	ug/l	100
69) o-Xylene	10.82	106	307205	48.26	ug/l	100
70) Styrene	10.90	104	428359	47.71	ug/l	100
71) Bromoform	10.88	173	98834	48.80	ug/l	100
73) Isopropylbenzene	11.23	105	879226	47.25	ug/l	100
74) N-amyl acetate	11.46	43	177067	44.63	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	158502	48.07	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	109825	46.51	ug/l	100
77) Bromobenzene	11.59	156	191127	47.66	ug/l	100
78) n-propylbenzene	11.68	91	1039910	47.34	ug/l	100
79) 2-Chlorotoluene	11.81	91	572767	45.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	730210	48.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	55946m	36.77	ug/l	
82) 4-Chlorotoluene	11.99	91	591956	46.92	ug/l	100
83) tert-Butylbenzene	12.21	119	727086	47.89	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	703139	46.23	ug/l	100
85) sec-Butylbenzene	12.39	105	1015942	48.33	ug/l	100
86) p-Isopropyltoluene	12.54	119	800318	48.11	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	349611	46.66	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	358072	48.35	ug/l	100
89) n-Butylbenzene	12.91	91	831611	47.26	ug/l	100
90) Hexachloroethane	12.99	117	206774	48.67	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	332200	46.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28810	46.53	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	241862	46.55	ug/l	100
94) Hexachlorobutadiene	14.25	225	169773	48.34	ug/l	100
95) Naphthalene	14.52	128	423967	46.54	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	236050	49.17	ug/l	100

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

