

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059979.D
 Acq On : 17 Aug 2018 18:04
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:47:47 AM

Quant Time: Aug 17 23:58:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	132690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	186047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	191057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	52930	20.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	40.96%	
35) Dibromofluoromethane	4.30	113	37766	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
50) Toluene-d8	7.72	98	82996	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
62) 4-Bromofluorobenzene	11.52	95	49673	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	46560	20.72	ug/l	98
3) Chloromethane	1.08	50	23785	20.55	ug/l #	85
4) Vinyl Chloride	1.13	62	28642	21.57	ug/l	89
5) Bromomethane	1.31	94	25014	19.25	ug/l	89
6) Chloroethane	1.39	64	13951	20.10	ug/l	96
7) Trichlorofluoromethane	1.47	101	74680	20.80	ug/l	94
8) Diethyl Ether	1.71	74	10766	18.76	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	37622	20.88	ug/l	96
10) Methyl Iodide	1.93	142	46717	20.34	ug/l	98
11) Tert butyl alcohol	2.69	59	16059	100.88	ug/l	99
12) 1,1-Dichloroethene	1.83	96	26016	20.85	ug/l	92
13) Acrolein	2.09	56	5846	69.52	ug/l	92
14) Allyl chloride	2.19	41	42389	20.01	ug/l	92
15) Acrylonitrile	3.08	53	27743	104.90	ug/l	89
16) Acetone	2.35	43	80500	96.85	ug/l	97
17) Carbon Disulfide	1.84	76	84925	21.37	ug/l	97
18) Methyl Acetate	2.46	43	33179	20.10	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	85403	20.26	ug/l	94
20) Methylene Chloride	2.28	84	29074	16.59	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	27872	20.95	ug/l	98
22) Diisopropyl ether	2.93	45	92930	20.32	ug/l #	94
23) Vinyl Acetate	3.33	43	181002	96.61	ug/l #	96
24) 1,1-Dichloroethane	3.01	63	63649	21.15	ug/l	99
25) 2-Butanone	4.52	43	65808	101.21	ug/l	97
26) 2,2-Dichloropropane	3.77	77	54133	20.61	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	25069	20.66	ug/l	93
28) Bromochloromethane	3.90	49	18399	21.43	ug/l	97
29) Tetrahydrofuran	4.26	42	22259	95.85	ug/l	98
30) Chloroform	4.04	83	69634	20.30	ug/l	96
31) Cyclohexane	3.87	56	29738	21.99	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	70553	21.11	ug/l	97
36) 1,1-Dichloropropene	4.47	75	44026	20.97	ug/l	95
37) Ethyl Acetate	4.29	43	24722	19.97	ug/l #	99
38) Carbon Tetrachloride	4.17	117	66349	22.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	32993	20.75	ug/l	96
40) Benzene	4.81	78	71417	19.99	ug/l	96
41) Methacrylonitrile	4.92	41	11315	19.29	ug/l	98
42) 1,2-Dichloroethane	5.12	62	63231	20.44	ug/l	98
43) Isopropyl Acetate	7.12	43	26662	19.76	ug/l #	95
44) Trichloroethene	5.68	130	28241	20.25	ug/l	80
45) 1,2-Dichloropropane	6.41	63	20153	19.78	ug/l	96
46) Dibromomethane	6.26	93	21926	21.22	ug/l #	87
47) Bromodichloromethane	6.56	83	53811	19.72	ug/l	96
48) Methyl methacrylate	6.88	41	19097	18.99	ug/l	96
49) 1,4-Dioxane	6.87	88	3329	413.46	ug/l #	71
51) 4-Methyl-2-Pentanone	8.41	43	126689	100.54	ug/l	98
52) Toluene	7.79	92	57354	21.32	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	47855	20.65	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	43899	19.66	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	22466	20.37	ug/l #	91
56) Ethyl methacrylate	8.77	69	25105	19.53	ug/l	94
57) 1,3-Dichloropropane	9.01	76	38675	19.74	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	12500	118.32	ug/l	100
59) 2-Hexanone	9.63	43	105828	101.08	ug/l	98
60) Dibromochloromethane	8.87	129	40450	20.26	ug/l	99
61) 1,2-Dibromoethane	9.14	107	27812	19.99	ug/l	89
64) Tetrachloroethene	8.31	164	29591	20.63	ug/l	97
65) Chlorobenzene	9.95	112	78213	20.98	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	33782	19.72	ug/l	91
67) Ethyl Benzene	10.05	91	142262	21.26	ug/l	96
68) m/p-Xylenes	10.27	106	102946	44.20	ug/l	90
69) o-Xylene	10.84	106	50953	21.27	ug/l	92
70) Styrene	10.91	104	83168	21.80	ug/l	97
71) Bromoform	10.90	173	27139	21.04	ug/l	95
73) Isopropylbenzene	11.23	105	175690	22.00	ug/l	97
74) N-amyl acetate	11.47	43	49301	20.87	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	32960	20.23	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	30316	20.82	ug/l	95
77) Bromobenzene	11.61	156	48017	21.31	ug/l	85
78) n-propylbenzene	11.69	91	213888	21.57	ug/l	98
79) 2-Chlorotoluene	11.82	91	126863	20.88	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	158513	21.92	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	11109m	14.80	ug/l	
82) 4-Chlorotoluene	12.00	91	141332	21.37	ug/l	95
83) tert-Butylbenzene	12.22	119	152344	21.32	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	156813	20.65	ug/l	98
85) sec-Butylbenzene	12.39	105	196372	21.00	ug/l	96
86) p-Isopropyltoluene	12.54	119	175944	21.29	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	87495	20.54	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	87562	20.99	ug/l	94
89) n-Butylbenzene	12.93	91	168600	21.10	ug/l	97
90) Hexachloroethane	13.00	117	39874	21.44	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	83819	20.45	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9594	20.89	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	68353	20.55	ug/l	97
94) Hexachlorobutadiene	14.27	225	48233	21.96	ug/l	97
95) Naphthalene	14.53	128	87444	18.08	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	65216	20.30	ug/l	97

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

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