

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059969.D
 Acq On : 16 Aug 2018 19:41
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:23:29 AM

Quant Time: Aug 17 04:50:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	120912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	161770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	174691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	125767	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	29425	13.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.72%	
35) Dibromofluoromethane	4.29	113	20315	12.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.72%	
50) Toluene-d8	7.71	98	40228	11.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.50%	
62) 4-Bromofluorobenzene	11.51	95	27377	13.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	22200	12.16	ug/l	94
3) Chloromethane	1.08	50	9660	12.40	ug/l	97
4) Vinyl Chloride	1.11	62	11129	12.07	ug/l	93
5) Bromomethane	1.31	94	10632	12.75	ug/l	91
6) Chloroethane	1.39	64	7836	13.44	ug/l	95
7) Trichlorofluoromethane	1.47	101	36677	14.00	ug/l	96
8) Diethyl Ether	1.71	74	4987	12.70	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.85	101	16948	12.50	ug/l	99
10) Methyl Iodide	1.92	142	19184	9.48	ug/l	98
11) Tert butyl alcohol	2.70	59	11197	110.08	ug/l	94
12) 1,1-Dichloroethene	1.82	96	12718	13.01	ug/l	81
13) Acrolein	2.08	56	3187	60.35	ug/l	87
14) Allyl chloride	2.19	41	20038	13.75	ug/l	91
15) Acrylonitrile	3.08	53	15962	101.31	ug/l #	89
16) Acetone	2.34	43	58117	114.74	ug/l	99
17) Carbon Disulfide	1.83	76	39159	14.84	ug/l	95
18) Methyl Acetate	2.46	43	24081m	30.54	ug/l	
19) Methyl tert-butyl Ether	2.53	73	42361	14.10	ug/l	94
20) Methylene Chloride	2.28	84	16915	14.87	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	12474	12.87	ug/l	92
22) Diisopropyl ether	2.93	45	41998	12.53	ug/l	96
23) Vinyl Acetate	3.33	43	94223	58.29	ug/l	99
24) 1,1-Dichloroethane	3.00	63	29869	12.76	ug/l	99
25) 2-Butanone	4.51	43	40820	85.79	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	26985	16.54	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	11238	10.81	ug/l	87
28) Bromochloromethane	3.89	49	10191	12.41	ug/l	99
29) Tetrahydrofuran	4.26	42	15323	91.70	ug/l	95
30) Chloroform	4.03	83	33393	10.82	ug/l	98
31) Cyclohexane	3.85	56	12701	11.50	ug/l #	87
32) 1,1,1-Trichloroethane	4.27	97	34045	13.04	ug/l	89
36) 1,1-Dichloropropene	4.46	75	20922	11.67	ug/l	95
37) Ethyl Acetate	4.29	43	18309	20.93	ug/l #	94
38) Carbon Tetrachloride	4.17	117	28004	9.63	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	13773	10.59	ug/l	94
40) Benzene	4.81	78	33529	11.13	ug/l	95
41) Methacrylonitrile	4.92	41	6860	16.48	ug/l	91
42) 1,2-Dichloroethane	5.12	62	34366	13.87	ug/l	99
43) Isopropyl Acetate	7.12	43	15305	16.02	ug/l #	93
44) Trichloroethene	5.68	130	13567	11.62	ug/l	91
45) 1,2-Dichloropropane	6.40	63	9905	12.12	ug/l #	88
46) Dibromomethane	6.25	93	11037	13.33	ug/l	90
47) Bromodichloromethane	6.55	83	26978	11.61	ug/l #	92
48) Methyl methacrylate	6.88	41	9928	14.15	ug/l	96
49) 1,4-Dioxane	6.87	88	2203	388.98	ug/l #	62
51) 4-Methyl-2-Pentanone	8.41	43	80937	89.18	ug/l	99
52) Toluene	7.78	92	25472	11.29	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	24505	12.70	ug/l #	89
54) cis-1,3-Dichloropropene	7.46	75	20977	11.49	ug/l	86
55) 1,1,2-Trichloroethane	8.64	97	12639	15.49	ug/l	91
56) Ethyl methacrylate	8.76	69	12007	13.16	ug/l	96
57) 1,3-Dichloropropane	9.00	76	20824	13.93	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	6343	57.05	ug/l	100
59) 2-Hexanone	9.63	43	65167	95.52	ug/l	93
60) Dibromochloromethane	8.87	129	20402	12.88	ug/l	92
61) 1,2-Dibromoethane	9.14	107	15127	14.65	ug/l	95
64) Tetrachloroethene	8.31	164	14637	10.79	ug/l	93
65) Chlorobenzene	9.95	112	37694	11.18	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.07	131	17969	11.05	ug/l	94
67) Ethyl Benzene	10.05	91	69831	11.70	ug/l	98
68) m/p-Xylenes	10.27	106	46237	22.98	ug/l	94
69) o-Xylene	10.83	106	23884	10.95	ug/l	94
70) Styrene	10.90	104	38102	11.64	ug/l	96
71) Bromoform	10.89	173	13973	13.02	ug/l	94
73) Isopropylbenzene	11.23	105	74602	9.59	ug/l	95
74) N-amyl acetate	11.46	43	25061	13.30	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	18842	13.38	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	16796	13.76	ug/l	98
77) Bromobenzene	11.59	156	21797	10.50	ug/l	91
78) n-propylbenzene	11.69	91	97136	10.60	ug/l	99
79) 2-Chlorotoluene	11.82	91	58996	10.24	ug/l	91
80) 1,3,5-Trimethylbenzene	11.92	105	70973	9.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	6322m	12.38	ug/l	
82) 4-Chlorotoluene	11.99	91	65665	10.30	ug/l	91
83) tert-Butylbenzene	12.21	119	67629	9.53	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	76881	10.55	ug/l	99
85) sec-Butylbenzene	12.39	105	89081	9.87	ug/l	98
86) p-Isopropyltoluene	12.54	119	79652	9.98	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	42780	10.92	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	42190	10.97	ug/l	97
89) n-Butylbenzene	12.92	91	76270	9.88	ug/l	99
90) Hexachloroethane	12.99	117	17659	9.02	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	42529	11.07	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	6455	16.26	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	34915	11.45	ug/l	90
94) Hexachlorobutadiene	14.25	225	21641	10.11	ug/l	98
95) Naphthalene	14.53	128	51642	10.09	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	34462	11.75	ug/l	94

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

