

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059312.D
 Acq On : 26 Jun 2018 12:59
 Operator : VA/AP
 Sample : VF0626SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Manual Integrations
 APPROVED

apatel
 6/27/2018 2:01:34 PM

Quant Time: Jun 27 02:51:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	288814	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	442653	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	454389	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	278561	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	167543	44.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	4.26	113	152458	47.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	7.69	98	382986	47.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.49	95	216211	47.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	55692	21.11	ug/l	95
3) Chloromethane	1.08	50	40093	22.62	ug/l	99
4) Vinyl Chloride	1.14	62	38001	21.78	ug/l	93
5) Bromomethane	1.33	94	26319	24.58	ug/l	92
6) Chloroethane	1.42	64	21174	24.09	ug/l	97
7) Trichlorofluoromethane	1.48	101	77998m	22.60	ug/l	
8) Diethyl Ether	1.69	74	16521	18.67	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45642	22.66	ug/l	92
10) Methyl Iodide	1.95	142	78684	21.42	ug/l	99
11) Tert butyl alcohol	2.67	59	17847	71.84	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	36422	21.39	ug/l	98
13) Acrolein	2.08	56	16097	126.33	ug/l	93
14) Allyl chloride	2.18	41	70571	22.08	ug/l #	97
15) Acrylonitrile	3.05	53	40314	92.16	ug/l	97
16) Acetone	2.32	43	95948	96.70	ug/l	96
17) Carbon Disulfide	1.86	76	84570	21.11	ug/l	99
18) Methyl Acetate	2.43	43	31913	18.21	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	121476	19.13	ug/l #	90
20) Methylene Chloride	2.26	84	63527	26.95	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	38238	21.05	ug/l	85
22) Diisopropyl ether	2.90	45	151556	21.41	ug/l	99
23) Vinyl Acetate	3.31	43	471460	104.59	ug/l	99
24) 1,1-Dichloroethane	2.98	63	92096	20.99	ug/l	99
25) 2-Butanone	4.48	43	124945	109.14	ug/l	93
26) 2,2-Dichloropropane	3.74	77	69070	22.82	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	57000	20.67	ug/l	85
28) Bromochloromethane	3.86	49	45338	24.76	ug/l	96
29) Tetrahydrofuran	4.23	42	50915	100.80	ug/l	96
30) Chloroform	4.01	83	135918	21.39	ug/l	94
31) Cyclohexane	3.83	56	62257	21.66	ug/l	87
32) 1,1,1-Trichloroethane	4.25	97	97796	21.04	ug/l	93
36) 1,1-Dichloropropene	4.43	75	83916	21.70	ug/l	95
37) Ethyl Acetate	4.26	43	49927	19.27	ug/l #	75
38) Carbon Tetrachloride	4.15	117	104206	21.35	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.60	83	75920	22.16	ug/l #	94
40) Benzene	4.78	78	179506	20.94	ug/l	97
41) Methacrylonitrile	4.90	41	24935	18.90	ug/l #	91
42) 1,2-Dichloroethane	5.09	62	102711	20.50	ug/l	97
43) Isopropyl Acetate	7.08	43	62906	19.53	ug/l #	82
44) Trichloroethene	5.65	130	62495	21.25	ug/l	99
45) 1,2-Dichloropropane	6.37	63	51120	20.87	ug/l	96
46) Dibromomethane	6.23	93	42912	20.18	ug/l	97
47) Bromodichloromethane	6.52	83	105336	20.47	ug/l	99
48) Methyl methacrylate	6.85	41	40717	18.86	ug/l	91
49) 1,4-Dioxane	6.84	88	4273	343.03	ug/l #	89
51) 4-Methyl-2-Pentanone	8.38	43	239188	100.24	ug/l	99
52) Toluene	7.75	92	129317	20.16	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	97431	20.77	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	101713	19.96	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	50212	20.16	ug/l	93
56) Ethyl methacrylate	8.74	69	57030	18.48	ug/l	94
57) 1,3-Dichloropropane	8.98	76	86764	20.31	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.75	63	24870	107.46	ug/l	100
59) 2-Hexanone	9.61	43	211521	108.42	ug/l	98
60) Dibromochloromethane	8.84	129	80261	20.87	ug/l	87
61) 1,2-Dibromoethane	9.11	107	60907	20.16	ug/l	94
64) Tetrachloroethene	8.29	164	67925	23.05	ug/l	98
65) Chlorobenzene	9.91	112	170190	20.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	74190	20.37	ug/l	97
67) Ethyl Benzene	10.01	91	293271	20.53	ug/l	99
68) m/p-Xylenes	10.25	106	220004	43.27	ug/l	97
69) o-Xylene	10.81	106	116505	20.49	ug/l	98
70) Styrene	10.88	104	182073	21.02	ug/l	97
71) Bromoform	10.87	173	49611	19.88	ug/l #	91
73) Isopropylbenzene	11.20	105	351797	21.68	ug/l	98
74) N-amyl acetate	11.44	43	115672	19.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	83224	20.31	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	61022	19.74	ug/l	95
77) Bromobenzene	11.58	156	88993	19.77	ug/l	86
78) n-propylbenzene	11.67	91	410176	21.05	ug/l	95
79) 2-Chlorotoluene	11.80	91	248104	20.84	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	305606	21.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	36189	19.67	ug/l	93
82) 4-Chlorotoluene	11.97	91	270041	21.17	ug/l	96
83) tert-Butylbenzene	12.20	119	309290	21.75	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	307006	20.51	ug/l	98
85) sec-Butylbenzene	12.37	105	406549	21.57	ug/l	97
86) p-Isopropyltoluene	12.53	119	347572	21.98	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	174844	20.84	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	163380	20.32	ug/l	96
89) n-Butylbenzene	12.90	91	341492	21.27	ug/l	97
90) Hexachloroethane	12.98	117	84718	21.49	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	168907	20.66	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15425	16.98	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	127995	21.18	ug/l	95
94) Hexachlorobutadiene	14.24	225	72185	21.38	ug/l	92
95) Naphthalene	14.51	128	249507	19.73	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	119473	20.87	ug/l	95

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

