

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021819\
 Data File : VF061672.D
 Acq On : 18 Feb 2019 12:10
 Operator : VA/AP
 Sample : VF0218SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:29:13 PM

Quant Time: Feb 19 02:42:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	359367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	511080	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	455689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	248657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	125591	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	4.12	113	185391	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	7.56	98	531924	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.42	95	216023	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	95956	23.251	ug/l	99
3) Chloromethane	1.10	50	90587	20.920	ug/l	94
4) Vinyl Chloride	1.14	62	87740	21.797	ug/l	99
5) Bromomethane	1.33	94	54240	19.578	ug/l	86
6) Chloroethane	1.40	64	37321	18.814	ug/l	93
7) Trichlorofluoromethane	1.49	101	97683	20.120	ug/l	99
8) Diethyl Ether	1.63	74	21341	17.442	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.84	101	72010	20.560	ug/l	96
10) Methyl Iodide	1.91	142	129528m	19.360	ug/l	
11) Tert butyl alcohol	2.58	59	13460	88.254	ug/l	99
12) 1,1-Dichloroethene	1.79	96	59996	19.483	ug/l	94
13) Acrolein	2.01	56	17309	90.300	ug/l #	82
14) Allyl chloride	2.10	41	72126	19.087	ug/l	97
15) Acrylonitrile	2.95	53	42725	78.978	ug/l	98
16) Acetone	2.25	43	51384	90.878	ug/l	94
17) Carbon Disulfide	1.82	76	188714m	19.496	ug/l	
18) Methyl Acetate	2.35	43	16738m	13.141	ug/l	
19) Methyl tert-butyl Ether	2.43	73	96521	18.340	ug/l	95
20) Methylene Chloride	2.19	84	62729m	19.149	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	64599	19.297	ug/l	99
22) Diisopropyl ether	2.81	45	172458	19.013	ug/l	97
23) Vinyl Acetate	3.19	43	381819	86.182	ug/l	96
24) 1,1-Dichloroethane	2.88	63	106771	19.451	ug/l	99
25) 2-Butanone	4.34	43	108879	88.158	ug/l	94
26) 2,2-Dichloropropane	3.60	77	48816	20.995	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	87414	19.894	ug/l	98
28) Bromochloromethane	3.72	49	45397	17.236	ug/l	95
29) Tetrahydrofuran	4.09	42	45395	80.869	ug/l	99
30) Chloroform	3.86	83	126001	20.184	ug/l	99
31) Cyclohexane	3.70	56	115700m	19.470	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	81883	20.024	ug/l	99
36) 1,1-Dichloropropene	4.29	75	100336	19.818	ug/l	93
37) Ethyl Acetate	4.12	43	44758	19.033	ug/l #	80
38) Carbon Tetrachloride	4.00	117	74222	21.231	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	123594	20.641	ug/l	95
40) Benzene	4.64	78	268978	20.311	ug/l	100
41) Methacrylonitrile	4.75	41	21731	18.070	ug/l	93
42) 1,2-Dichloroethane	4.95	62	62381	19.693	ug/l	96
43) Isopropyl Acetate	6.97	43	49610	17.823	ug/l	95
44) Trichloroethene	5.51	130	87752	20.491	ug/l	94
45) 1,2-Dichloropropane	6.24	63	68020	21.250	ug/l	99
46) Dibromomethane	6.09	93	38369	19.468	ug/l	90
47) Bromodichloromethane	6.39	83	88256	20.449	ug/l	92
48) Methyl methacrylate	6.72	41	32201	19.223	ug/l	98
49) 1,4-Dioxane	6.71	88	5574	353.977	ug/l #	92
51) 4-Methyl-2-Pentanone	8.27	43	181807	91.410	ug/l	97
52) Toluene	7.63	92	165216	20.571	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	75738	21.085	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	101314	21.175	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	43773	18.550	ug/l	97
56) Ethyl methacrylate	8.63	69	50824	19.345	ug/l	98
57) 1,3-Dichloropropane	8.86	76	78377	19.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	39824	87.855	ug/l	99
59) 2-Hexanone	9.50	43	130425	93.549	ug/l	99
60) Dibromochloromethane	8.72	129	63545	19.347	ug/l	96
61) 1,2-Dibromoethane	8.99	107	50645	19.787	ug/l	98
64) Tetrachloroethene	8.16	164	83053	22.298	ug/l	97
65) Chlorobenzene	9.81	112	189738	20.519	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	75062	20.716	ug/l	96
67) Ethyl Benzene	9.91	91	332346	21.612	ug/l	99
68) m/p-Xylenes	10.13	106	256596	43.600	ug/l	97
69) o-Xylene	10.72	106	133408	21.244	ug/l	95
70) Styrene	10.79	104	191014	21.501	ug/l	99
71) Bromoform	10.78	173	35841	18.216	ug/l	95
73) Isopropylbenzene	11.13	105	381714	21.561	ug/l	100
74) N-amyl acetate	11.38	43	78431	18.457	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	57315	18.071	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	39949	18.526	ug/l	98
77) Bromobenzene	11.49	156	88049	20.132	ug/l	90
78) n-propylbenzene	11.59	91	455127	22.403	ug/l	96
79) 2-Chlorotoluene	11.72	91	232868	20.467	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	296595	20.961	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	20172m	19.512	ug/l	
82) 4-Chlorotoluene	11.90	91	248092	21.008	ug/l	93
83) tert-Butylbenzene	12.14	119	336765	21.488	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	313066	22.270	ug/l	97
85) sec-Butylbenzene	12.31	105	448746	22.142	ug/l	99
86) p-Isopropyltoluene	12.46	119	385580	22.670	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	179062	21.001	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	171266	20.886	ug/l	98
89) n-Butylbenzene	12.85	91	365030	22.728	ug/l	97
90) Hexachloroethane	12.92	117	85367	21.580	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	165020	20.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8525	16.953	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	117217	20.164	ug/l	97
94) Hexachlorobutadiene	14.20	225	77795	21.669	ug/l	99
95) Naphthalene	14.46	128	183714	18.063	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	106543	19.969	ug/l	97

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

