

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061080.D
 Acq On : 19 Dec 2018 12:53
 Operator : VA/AP
 Sample : VF1219SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:23 AM

Quant Time: Dec 20 02:41:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	234841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	419843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	388090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	142648	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	4.11	113	166635	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	7.55	98	479239	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.41	95	208234	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	95851	18.361	ug/l	98
3) Chloromethane	1.10	50	59787	19.994	ug/l	91
4) Vinyl Chloride	1.13	62	57225	20.629	ug/l #	82
5) Bromomethane	1.31	94	37710	19.599	ug/l #	75
6) Chloroethane	1.39	64	25716	20.119	ug/l #	86
7) Trichlorofluoromethane	1.49	101	100004	18.881	ug/l	96
8) Diethyl Ether	1.63	74	14507	20.001	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	53818	19.597	ug/l	94
10) Methyl Iodide	1.91	142	84420m	19.502	ug/l	
11) Tert butyl alcohol	2.58	59	10098	82.847	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	41986	20.282	ug/l	94
13) Acrolein	2.00	56	9996	113.494	ug/l	96
14) Allyl chloride	2.10	41	48881	22.690	ug/l	91
15) Acrylonitrile	2.94	53	29078	103.167	ug/l	96
16) Acetone	2.24	43	53720	88.966	ug/l	95
17) Carbon Disulfide	1.83	76	123128	19.682	ug/l	96
18) Methyl Acetate	2.35	43	22190	17.763	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	86696	18.868	ug/l	96
20) Methylene Chloride	2.23	84	44946m	20.658	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	43155	19.491	ug/l	94
22) Diisopropyl ether	2.81	45	146626	20.433	ug/l	96
23) Vinyl Acetate	3.19	43	331281	100.071	ug/l	98
24) 1,1-Dichloroethane	2.87	63	86108	20.252	ug/l	99
25) 2-Butanone	4.34	43	97652	99.718	ug/l	98
26) 2,2-Dichloropropane	3.60	77	50759	20.803	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	64826	19.125	ug/l	91
28) Bromochloromethane	3.71	49	41709	19.334	ug/l	92
29) Tetrahydrofuran	4.08	42	41958	105.269	ug/l	93
30) Chloroform	3.85	83	122993	19.292	ug/l	95
31) Cyclohexane	3.68	56	94526m	21.425	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	77192	20.201	ug/l	95
36) 1,1-Dichloropropene	4.28	75	95350	18.815	ug/l	99
37) Ethyl Acetate	4.11	43	36860	16.664	ug/l #	70
38) Carbon Tetrachloride	3.99	117	72239	18.718	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	97338	21.410	ug/l	97
40) Benzene	4.63	78	221941	20.365	ug/l	94
41) Methacrylonitrile	4.75	41	21302	19.903	ug/l	91
42) 1,2-Dichloroethane	4.94	62	74880	18.087	ug/l	99
43) Isopropyl Acetate	6.96	43	44614	18.232	ug/l	99
44) Trichloroethene	5.50	130	67775	19.725	ug/l	100
45) 1,2-Dichloropropane	6.24	63	53295	17.974	ug/l	94
46) Dibromomethane	6.09	93	33936	17.646	ug/l	99
47) Bromodichloromethane	6.38	83	94403	18.893	ug/l	97
48) Methyl methacrylate	6.71	41	30172	17.662	ug/l	97
49) 1,4-Dioxane	6.70	88	3702	298.667	ug/l #	76
51) 4-Methyl-2-Pentanone	8.26	43	166067	98.956	ug/l	100
52) Toluene	7.62	92	139912	19.394	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	76146	18.891	ug/l	94
54) cis-1,3-Dichloropropene	7.30	75	97681	19.308	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	40601	18.773	ug/l	92
56) Ethyl methacrylate	8.63	69	42848	18.310	ug/l	93
57) 1,3-Dichloropropane	8.85	76	71144	18.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	43020	95.717	ug/l	94
59) 2-Hexanone	9.49	43	111737	92.068	ug/l	98
60) Dibromochloromethane	8.72	129	56480	18.219	ug/l	97
61) 1,2-Dibromoethane	8.98	107	45014	19.489	ug/l	92
64) Tetrachloroethene	8.15	164	54360	18.209	ug/l	97
65) Chlorobenzene	9.80	112	151988	18.957	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	60041	18.325	ug/l	98
67) Ethyl Benzene	9.90	91	282462	19.338	ug/l	96
68) m/p-Xylenes	10.14	106	204366	39.758	ug/l	97
69) o-Xylene	10.72	106	113896	19.979	ug/l	97
70) Styrene	10.79	104	158022	19.797	ug/l	97
71) Bromoform	10.78	173	27868	18.385	ug/l #	91
73) Isopropylbenzene	11.12	105	328459	20.527	ug/l	97
74) N-amyl acetate	11.37	43	75273	21.188	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.69	83	50876	19.157	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	36877	18.659	ug/l	96
77) Bromobenzene	11.50	156	68693	19.942	ug/l	89
78) n-propylbenzene	11.60	91	388237	18.577	ug/l	99
79) 2-Chlorotoluene	11.72	91	224347	20.438	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	263092	19.967	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	17885m	21.059	ug/l	
82) 4-Chlorotoluene	11.90	91	229618	20.221	ug/l	99
83) tert-Butylbenzene	12.13	119	269958	19.911	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	264007	20.093	ug/l	98
85) sec-Butylbenzene	12.31	105	368678	20.836	ug/l	99
86) p-Isopropyltoluene	12.46	119	299756	20.410	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	128063	19.500	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	125454	19.834	ug/l	96
89) n-Butylbenzene	12.85	91	319505	18.913	ug/l	96
90) Hexachloroethane	12.92	117	70593	19.455	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	122740	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8271	16.972	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	83193	19.049	ug/l	96
94) Hexachlorobutadiene	14.19	225	56152	20.187	ug/l	95
95) Naphthalene	14.46	128	150957	18.929	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	78480	19.439	ug/l	96

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

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