

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060095.D
 Acq On : 24 Aug 2018 12:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/27/2018 3:21:57 PM

Quant Time: Aug 25 04:19:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	160274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	252595	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	272091	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	167990	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	117146	53.40	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.80%	
35) Dibromofluoromethane	4.29	113	109205	55.06	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.12%	
50) Toluene-d8	7.71	98	286489	50.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.50	95	157906	52.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	116136	55.04	ug/l	98
3) Chloromethane	1.07	50	71642	52.49	ug/l	97
4) Vinyl Chloride	1.12	62	62448	47.67	ug/l	98
5) Bromomethane	1.32	94	40269	40.45	ug/l	91
6) Chloroethane	1.39	64	27776	53.78	ug/l	93
7) Trichlorofluoromethane	1.49	101	187071	71.01	ug/l	98
8) Diethyl Ether	1.70	74	21923	46.55	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	79065	57.17	ug/l	98
10) Methyl Iodide	1.93	142	73860	40.40	ug/l #	83
11) Tert butyl alcohol	2.67	59	27809	238.30	ug/l #	86
12) 1,1-Dichloroethene	1.82	96	51298	50.35	ug/l	84
13) Acrolein	2.09	56	14758	211.53	ug/l	84
14) Allyl chloride	2.19	41	91054	50.32	ug/l	94
15) Acrylonitrile	3.06	53	77332	335.81	ug/l	93
16) Acetone	2.33	43	171058	296.71	ug/l	93
17) Carbon Disulfide	1.84	76	141990	44.51	ug/l	98
18) Methyl Acetate	2.44	43	48680	49.38	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	153578	47.05	ug/l	100
20) Methylene Chloride	2.27	84	56154	49.40	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	52363	45.93	ug/l	92
22) Diisopropyl ether	2.92	45	230486	56.88	ug/l	97
23) Vinyl Acetate	3.32	43	541832	252.43	ug/l	100
24) 1,1-Dichloroethane	2.99	63	176610	70.56	ug/l	99
25) 2-Butanone	4.49	43	204418	272.98	ug/l	97
26) 2,2-Dichloropropane	3.75	77	157034	60.64	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	90704	56.15	ug/l	98
28) Bromochloromethane	3.88	49	52507	49.69	ug/l	86
29) Tetrahydrofuran	4.24	42	69887	247.19	ug/l	97
30) Chloroform	4.03	83	202086	57.52	ug/l	90
31) Cyclohexane	3.85	56	99928	52.39	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	185141	61.53	ug/l	95
36) 1,1-Dichloropropene	4.45	75	121616	51.23	ug/l	96
37) Ethyl Acetate	4.28	43	71284	50.21	ug/l	87
38) Carbon Tetrachloride	4.17	117	161842	58.88	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	106353	47.78	ug/l	90
40) Benzene	4.80	78	262450	50.61	ug/l	97
41) Methacrylonitrile	4.91	41	32047	44.63	ug/l	94
42) 1,2-Dichloroethane	5.11	62	146820	52.80	ug/l	100
43) Isopropyl Acetate	7.10	43	78805	44.10	ug/l #	99
44) Trichloroethene	5.67	130	87500	51.04	ug/l	98
45) 1,2-Dichloropropane	6.39	63	78249	53.35	ug/l	97
46) Dibromomethane	6.25	93	62913	54.82	ug/l	93
47) Bromodichloromethane	6.54	83	158343	57.12	ug/l	94
48) Methyl methacrylate	6.87	41	54203	45.84	ug/l	95
49) 1,4-Dioxane	6.86	88	12011	1058.22	ug/l #	90
51) 4-Methyl-2-Pentanone	8.40	43	370392	240.05	ug/l	99
52) Toluene	7.77	92	198797	60.64	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	130266	51.82	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	151641	54.05	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	75801	54.18	ug/l	97
56) Ethyl methacrylate	8.75	69	82696	48.83	ug/l	96
57) 1,3-Dichloropropane	9.00	76	132252	53.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	35606	264.87	ug/l	100
59) 2-Hexanone	9.62	43	316500	253.44	ug/l	97
60) Dibromochloromethane	8.86	129	110230	53.37	ug/l	100
61) 1,2-Dibromoethane	9.13	107	86833	52.84	ug/l	95
64) Tetrachloroethene	8.30	164	86417	47.15	ug/l	97
65) Chlorobenzene	9.93	112	262890	51.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	101701	52.19	ug/l	99
67) Ethyl Benzene	10.03	91	466167	52.58	ug/l	99
68) m/p-Xylenes	10.26	106	334644	117.36	ug/l	99
69) o-Xylene	10.82	106	177912	51.22	ug/l	100
70) Styrene	10.90	104	276421	51.87	ug/l	99
71) Bromoform	10.88	173	73095	53.76	ug/l	94
73) Isopropylbenzene	11.22	105	535411	52.95	ug/l	99
74) N-amyl acetate	11.46	43	152639	48.56	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	113550	51.42	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	84659	49.43	ug/l	97
77) Bromobenzene	11.59	156	141586	51.49	ug/l	92
78) n-propylbenzene	11.69	91	686637	55.02	ug/l	100
79) 2-Chlorotoluene	11.81	91	377298	51.41	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	468877	53.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	38179m	48.72	ug/l	
82) 4-Chlorotoluene	11.98	91	426514	53.53	ug/l	94
83) tert-Butylbenzene	12.21	119	461598	53.72	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	489701	52.29	ug/l	99
85) sec-Butylbenzene	12.39	105	618103	51.67	ug/l	99
86) p-Isopropyltoluene	12.54	119	544991	54.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	272300	53.55	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	264221	52.29	ug/l	97
89) n-Butylbenzene	12.92	91	566465	58.75	ug/l	99
90) Hexachloroethane	12.99	117	122625	54.99	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	254973	52.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	22594	50.07	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	190971	53.03	ug/l	98
94) Hexachlorobutadiene	14.25	225	120451	53.74	ug/l	98
95) Naphthalene	14.52	128	301605	48.35	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	182395	53.09	ug/l	97

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

