

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060025.D
 Acq On : 21 Aug 2018 17:55
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:00 AM

Quant Time: Aug 22 04:21:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	211530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	324566	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	344161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	208810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	62660	16.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.12%	
35) Dibromofluoromethane	4.30	113	53885	16.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.78%	
50) Toluene-d8	7.72	98	157146	21.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.04%	
62) 4-Bromofluorobenzene	11.51	95	83303	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	61415	17.75	ug/l	98
3) Chloromethane	1.07	50	41692	21.66	ug/l	100
4) Vinyl Chloride	1.12	62	40895	19.48	ug/l	97
5) Bromomethane	1.32	94	28228	14.05	ug/l	95
6) Chloroethane	1.39	64	14588	13.90	ug/l	99
7) Trichlorofluoromethane	1.48	101	77842	13.49	ug/l	99
8) Diethyl Ether	1.70	74	13109	15.05	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	40099	14.67	ug/l	99
10) Methyl Iodide	1.93	142	54657	15.79	ug/l	99
11) Tert butyl alcohol	2.69	59	16221	71.55	ug/l #	96
12) 1,1-Dichloroethene	1.83	96	29274	15.34	ug/l	92
13) Acrolein	2.10	56	5689	46.41	ug/l #	72
14) Allyl chloride	2.19	41	54180	16.77	ug/l	96
15) Acrylonitrile	3.08	53	31601	86.38	ug/l	93
16) Acetone	2.34	43	88019	72.55	ug/l	98
17) Carbon Disulfide	1.84	76	98724	16.35	ug/l	97
18) Methyl Acetate	2.45	43	31417	13.56	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	91307	14.70	ug/l	98
20) Methylene Chloride	2.28	84	37642	13.95	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	32758	16.01	ug/l	98
22) Diisopropyl ether	2.93	45	113515	16.38	ug/l	97
23) Vinyl Acetate	3.34	43	314009	108.40	ug/l	100
24) 1,1-Dichloroethane	3.00	63	73607	16.45	ug/l	100
25) 2-Butanone	4.51	43	107645	107.46	ug/l	98
26) 2,2-Dichloropropane	3.76	77	75947	18.80	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	42445	21.34	ug/l	92
28) Bromochloromethane	3.89	49	30711	22.25	ug/l #	79
29) Tetrahydrofuran	4.27	42	39464	109.82	ug/l	98
30) Chloroform	4.05	83	98034	18.26	ug/l	96
31) Cyclohexane	3.86	56	55918	25.01	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	85807	16.74	ug/l	94
36) 1,1-Dichloropropene	4.46	75	64347	17.68	ug/l	94
37) Ethyl Acetate	4.30	43	39375	19.78	ug/l #	89
38) Carbon Tetrachloride	4.18	117	75637	15.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	62576	22.51	ug/l #	86
40) Benzene	4.82	78	146001	23.35	ug/l	99
41) Methacrylonitrile	4.93	41	18550	19.25	ug/l	95
42) 1,2-Dichloroethane	5.12	62	74432	14.84	ug/l	97
43) Isopropyl Acetate	7.11	43	48033	21.28	ug/l #	97
44) Trichloroethene	5.69	130	47249	19.76	ug/l	97
45) 1,2-Dichloropropane	6.42	63	40287	22.32	ug/l	100
46) Dibromomethane	6.26	93	30312	17.54	ug/l	94
47) Bromodichloromethane	6.55	83	75000	16.47	ug/l	98
48) Methyl methacrylate	6.88	41	30104	18.31	ug/l	93
49) 1,4-Dioxane	6.88	88	6795	526.41	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	213433	102.38	ug/l	99
52) Toluene	7.79	92	109690	23.46	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	70227	18.13	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	78582	20.53	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	40122	21.47	ug/l	96
56) Ethyl methacrylate	8.77	69	47399	21.78	ug/l	93
57) 1,3-Dichloropropane	9.01	76	67464	20.20	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	19171	111.00	ug/l	100
59) 2-Hexanone	9.64	43	179077	103.89	ug/l	98
60) Dibromochloromethane	8.87	129	53390	16.23	ug/l	99
61) 1,2-Dibromoethane	9.15	107	44008	19.16	ug/l	95
64) Tetrachloroethene	8.32	164	47132	18.07	ug/l	93
65) Chlorobenzene	9.94	112	137085	20.23	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	51083	16.85	ug/l	97
67) Ethyl Benzene	10.05	91	244102	20.00	ug/l	98
68) m/p-Xylenes	10.28	106	182737	42.50	ug/l	99
69) o-Xylene	10.83	106	94827	21.55	ug/l	97
70) Styrene	10.91	104	147416	21.00	ug/l	99
71) Bromoform	10.90	173	35517	15.87	ug/l	96
73) Isopropylbenzene	11.24	105	276529	22.01	ug/l	99
74) N-amyl acetate	11.47	43	81840	22.57	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	57856	22.90	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	45905	21.11	ug/l	92
77) Bromobenzene	11.60	156	74676	21.38	ug/l	90
78) n-propylbenzene	11.69	91	341587	21.84	ug/l	99
79) 2-Chlorotoluene	11.82	91	196685	20.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	244688	21.69	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	20953m	22.83	ug/l	
82) 4-Chlorotoluene	11.99	91	213449	20.80	ug/l	98
83) tert-Butylbenzene	12.22	119	236652	21.46	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	255238	21.53	ug/l	95
85) sec-Butylbenzene	12.39	105	317007	21.54	ug/l	98
86) p-Isopropyltoluene	12.55	119	283316	21.77	ug/l	95
87) 1,3-Dichlorobenzene	12.57	146	139920	20.98	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	137740	21.26	ug/l	94
89) n-Butylbenzene	12.92	91	267214	21.25	ug/l	98
90) Hexachloroethane	13.00	117	57671	19.90	ug/l	90
91) 1,2-Dichlorobenzene	13.03	146	128906	20.29	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	11238	17.01	ug/l	82

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93) 1,2,4-Trichlorobenzene	14.27	180	97814	19.03	ug/l	97
94) Hexachlorobutadiene	14.26	225	62041	18.37	ug/l	98
95) Naphthalene	14.53	128	127750	17.30	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	92991	18.86	ug/l	99

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

