

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060815.D
 Acq On : 20 Nov 2018 21:04
 Operator : VA/AP
 Sample : J5981-03MS
 Misc : 4.68g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 DTW-02(11-13)MS

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:41:01 PM

Quant Time: Nov 21 03:27:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	169055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	272484	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	223897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	89738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	86068	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	4.13	113	99768	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	7.56	98	261008	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.42	95	100616	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.96	85	140259	46.36	ug/l	99
3) Chloromethane	1.10	50	96232	51.29	ug/l	99
4) Vinyl Chloride	1.15	62	78781	46.94	ug/l	96
5) Bromomethane	1.32	94	56618	53.10	ug/l	97
6) Chloroethane	1.38	64	40671	61.93	ug/l	99
7) Trichlorofluoromethane	1.49	101	192033	51.74	ug/l	99
8) Diethyl Ether	1.63	74	28348	59.61	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	98801	56.49	ug/l	96
10) Methyl Iodide	1.90	142	143515m	51.14	ug/l	
11) Tert butyl alcohol	2.57	59	29932	341.08	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	73309	53.15	ug/l	89
13) Acrolein	2.01	56	11709	145.92	ug/l	90
14) Allyl chloride	2.10	41	117486	48.62	ug/l	89
15) Acrylonitrile	2.95	53	62268	332.99	ug/l	95
16) Acetone	2.24	43	156030	378.57	ug/l	99
17) Carbon Disulfide	1.81	76	123660m	29.67	ug/l	
18) Methyl Acetate	2.35	43	52107	76.99	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	224310	67.79	ug/l	98
20) Methylene Chloride	2.19	84	74906m	54.97	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	59749	41.46	ug/l	96
22) Diisopropyl ether	2.81	45	312777	67.05	ug/l	98
23) Vinyl Acetate	3.19	43	589689	268.45	ug/l	99
24) 1,1-Dichloroethane	2.88	63	174413	61.76	ug/l	99
25) 2-Butanone	4.34	43	214502	316.41	ug/l	97
26) 2,2-Dichloropropane	3.61	77	118858	53.48	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	117377	47.88	ug/l	94
28) Bromochloromethane	3.73	49	72976	49.72	ug/l	92
29) Tetrahydrofuran	4.08	42	93883	335.74	ug/l	96
30) Chloroform	3.87	83	236357	52.16	ug/l	97
31) Cyclohexane	3.71	56	159728	46.60	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	189534	53.12	ug/l	97
36) 1,1-Dichloropropene	4.30	75	151744	48.02	ug/l	99
37) Ethyl Acetate	4.12	43	76506	65.12	ug/l	82
38) Carbon Tetrachloride	4.00	117	168274	54.88	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	139799	38.13	ug/l	98
40) Benzene	4.64	78	428437	60.82	ug/l	100
41) Methacrylonitrile	4.75	41	41262	67.38	ug/l	96
42) 1,2-Dichloroethane	4.95	62	131141	53.87	ug/l	99
43) Isopropyl Acetate	6.97	43	90714	58.23	ug/l #	93
44) Trichloroethene	5.51	130	106375	47.86	ug/l	96
45) 1,2-Dichloropropane	6.24	63	113303	61.81	ug/l	100
46) Dibromomethane	6.09	93	59616	49.27	ug/l	90
47) Bromodichloromethane	6.40	83	169231	54.77	ug/l	96
48) Methyl methacrylate	6.72	41	62080	60.22	ug/l	96
49) 1,4-Dioxane	6.71	88	12686	1315.73	ug/l #	88
51) 4-Methyl-2-Pentanone	8.26	43	364353	323.40	ug/l	98
52) Toluene	7.63	92	243937	51.67	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	97962	39.58	ug/l	90
54) cis-1,3-Dichloropropene	7.31	75	147157	45.78	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	76099	56.42	ug/l	97
56) Ethyl methacrylate	8.63	69	91540	59.76	ug/l	98
57) 1,3-Dichloropropane	8.87	76	126849	54.27	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	37881	270.72	ug/l	100
59) 2-Hexanone	9.50	43	240785	304.11	ug/l	99
60) Dibromochloromethane	8.73	129	104658	54.45	ug/l	97
61) 1,2-Dibromoethane	8.99	107	71236	50.22	ug/l	97
64) Tetrachloroethene	8.16	164	93961	53.00	ug/l	97
65) Chlorobenzene	9.81	112	248629	55.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	119278	60.53	ug/l	100
67) Ethyl Benzene	9.91	91	455546	53.49	ug/l	100
68) m/p-Xylenes	10.14	106	320509	105.31	ug/l	92
69) o-Xylene	10.72	106	189506	55.38	ug/l	98
70) Styrene	10.80	104	225866	48.64	ug/l	98
71) Bromoform	10.78	173	51423	58.03	ug/l	99
73) Isopropylbenzene	11.13	105	474255	65.66	ug/l	99
74) N-amyl acetate	11.38	43	141577	86.10	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.70	83	107660	90.15	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	74916	84.47	ug/l	99
77) Bromobenzene	11.50	156	96593	64.24	ug/l	93
78) n-propylbenzene	11.60	91	459411	54.53	ug/l	97
79) 2-Chlorotoluene	11.73	91	304802	62.25	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	375209	65.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	28600m	65.64	ug/l	
82) 4-Chlorotoluene	11.90	91	291291	58.07	ug/l	98
83) tert-Butylbenzene	12.14	119	374555	61.51	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	374236	63.10	ug/l	95
85) sec-Butylbenzene	12.31	105	404446	48.97	ug/l	96
86) p-Isopropyltoluene	12.47	119	360326	52.23	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	163740	54.72	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	156580	54.45	ug/l	95
89) n-Butylbenzene	12.85	91	267980	38.07	ug/l	95
90) Hexachloroethane	12.92	117	81422	48.26	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	171371	60.83	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19836	88.37	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72686	35.90	ug/l	94
94) Hexachlorobutadiene	14.19	225	25987	19.64	ug/l	97
95) Naphthalene	14.46	128	1952854	528.53	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	65417	34.96	ug/l	97

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

