

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060243.D
 Acq On : 10 Sep 2018 19:05
 Operator : VA/AP
 Sample : J4803-19MSD
 Misc : 5.39/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:08:04 AM

Quant Time: Sep 11 10:41:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	138609	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	203419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	207998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	119864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	119623	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	4.30	113	58473	29.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.68%	
50) Toluene-d8	7.72	98	255070	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.51	95	133274	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	132003	49.96	ug/l	96
3) Chloromethane	1.07	50	71498	51.32	ug/l	98
4) Vinyl Chloride	1.12	62	69699	64.91	ug/l	100
5) Bromomethane	1.32	94	59195	61.54	ug/l	99
6) Chloroethane	1.40	64	40668	59.13	ug/l	93
7) Trichlorofluoromethane	1.49	101	179051	59.79	ug/l	96
8) Diethyl Ether	1.70	74	22937	51.80	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	78106	53.34	ug/l	98
10) Methyl Iodide	1.93	142	68800	52.16	ug/l #	90
11) Tert butyl alcohol	2.67	59	16553	134.93	ug/l #	87
12) 1,1-Dichloroethene	1.83	96	58849	59.07	ug/l	88
13) Acrolein	2.09	56	12129	240.32	ug/l #	1
14) Allyl chloride	2.19	41	102595	68.66	ug/l	88
15) Acrylonitrile	3.07	53	47460	257.80	ug/l	97
16) Acetone	2.33	43	148963	256.38	ug/l	96
17) Carbon Disulfide	1.84	76	161061	55.47	ug/l	98
18) Methyl Acetate	2.45	43	28851	35.26	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	153967	46.71	ug/l	100
20) Methylene Chloride	2.29	84	67547	58.62	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	58701	57.58	ug/l	93
22) Diisopropyl ether	2.93	45	201530	53.82	ug/l	96
23) Vinyl Acetate	3.37	43	176	22.90	ug/l #	82
24) 1,1-Dichloroethane	3.00	63	146476	60.14	ug/l	100
25) 2-Butanone	4.51	43	149866	220.20	ug/l	95
26) 2,2-Dichloropropane	3.76	77	146632	43.64	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	79157	59.49	ug/l	97
28) Bromochloromethane	3.89	49	42345	51.05	ug/l	98
29) Tetrahydrofuran	4.25	42	43807	194.70	ug/l	92
30) Chloroform	4.04	83	197827	55.44	ug/l	98
31) Cyclohexane	3.86	56	93696	56.23	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	187691	52.80	ug/l	94
36) 1,1-Dichloropropene	4.46	75	129650	54.15	ug/l	97
37) Ethyl Acetate	4.29	43	29953	23.24	ug/l #	1
38) Carbon Tetrachloride	4.18	117	160535	48.77	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	102737	51.22	ug/l	99
40) Benzene	4.82	78	238606	55.94	ug/l	99
41) Methacrylonitrile	4.92	41	25964	41.69	ug/l	91
42) 1,2-Dichloroethane	5.12	62	142078	46.09	ug/l	99
43) Isopropyl Acetate	7.12	43	33774	24.25	ug/l #	98
44) Trichloroethene	5.68	130	147095	85.14	ug/l	99
45) 1,2-Dichloropropane	6.41	63	64209	52.96	ug/l	97
46) Dibromomethane	6.26	93	52219	48.91	ug/l	92
47) Bromodichloromethane	6.55	83	143249	49.44	ug/l	97
48) Methyl methacrylate	6.88	41	32111	29.03	ug/l	93
49) 1,4-Dioxane	6.88	88	5611	345.19	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	283310	228.97	ug/l	98
52) Toluene	7.79	92	169167	51.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	113476	46.61	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	130382	51.59	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	55099	45.35	ug/l	97
56) Ethyl methacrylate	8.76	69	51805	37.30	ug/l	94
57) 1,3-Dichloropropane	9.01	76	103551	47.93	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	36306	243.05	ug/l	100
59) 2-Hexanone	9.63	43	241502	261.02	ug/l	98
60) Dibromochloromethane	8.87	129	99439	49.41	ug/l	96
61) 1,2-Dibromoethane	9.15	107	65114	44.68	ug/l	95
64) Tetrachloroethene	8.32	164	143770	69.05	ug/l	92
65) Chlorobenzene	9.94	112	222563	51.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	89269	46.78	ug/l	96
67) Ethyl Benzene	10.04	91	412499	51.36	ug/l	99
68) m/p-Xylenes	10.28	106	287531	106.69	ug/l	99
69) o-Xylene	10.83	106	150189	52.25	ug/l	94
70) Styrene	10.91	104	228838	52.52	ug/l	98
71) Bromoform	10.89	173	56897	51.65	ug/l #	99
73) Isopropylbenzene	11.24	105	489984	59.26	ug/l	100
74) N-amyl acetate	11.47	43	51637	33.15	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	2378	1.91	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	59061	44.83	ug/l	93
77) Bromobenzene	11.60	156	113502	52.42	ug/l	94
78) n-propylbenzene	11.69	91	538541	54.36	ug/l	98
79) 2-Chlorotoluene	11.82	91	323347	54.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	401652	55.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	17506m	56.54	ug/l	
82) 4-Chlorotoluene	11.99	91	352901	53.13	ug/l	95
83) tert-Butylbenzene	12.22	119	356981	53.67	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	411329	55.47	ug/l	98
85) sec-Butylbenzene	12.39	105	477844	52.08	ug/l	99
86) p-Isopropyltoluene	12.55	119	433032	53.15	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	200264	50.62	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	202276	51.66	ug/l	96
89) n-Butylbenzene	12.92	91	376844	47.83	ug/l	98
90) Hexachloroethane	13.00	117	97106	58.80	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	194614	51.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15836	49.91	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	118675	40.88	ug/l	97
94) Hexachlorobutadiene	14.26	225	77610	37.51	ug/l	97
95) Naphthalene	14.53	128	160888	36.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	111459	40.90	ug/l	98

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

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