

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060085.D
 Acq On : 24 Aug 2018 7:48
 Operator : VA/AP
 Sample : J4581-12MSD
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:13:23 PM

Quant Time: Aug 24 09:07:51 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	147759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	248335	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	264404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	121609	60.14	ug/l	-0.02
Spiked Amount			Recovery	=	120.28%	
35) Dibromofluoromethane	4.29	113	112352	57.61	ug/l	0.00
Spiked Amount			Recovery	=	115.22%	
50) Toluene-d8	7.71	98	277501	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.51	95	153433	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	105508	54.24	ug/l	98
3) Chloromethane	1.07	50	66720	53.07	ug/l	99
4) Vinyl Chloride	1.12	62	57423	47.54	ug/l	94
5) Bromomethane	1.31	94	42129	45.90	ug/l	98
6) Chloroethane	1.39	64	30163	63.35	ug/l	95
7) Trichlorofluoromethane	1.48	101	171246	70.51	ug/l	99
8) Diethyl Ether	1.70	74	22211	51.15	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.86	101	73724	57.83	ug/l	97
10) Methyl Iodide	1.92	142	76656	45.48	ug/l	88
11) Tert butyl alcohol	2.67	59	29205	271.46	ug/l #	91
12) 1,1-Dichloroethene	1.83	96	48156	51.27	ug/l	94
13) Acrolein	2.08	56	3960	80.23	ug/l	91
14) Allyl chloride	2.18	41	85443	51.22	ug/l	93
15) Acrylonitrile	3.07	53	54848	258.35	ug/l	99
16) Acetone	2.33	43	148721	279.82	ug/l	96
17) Carbon Disulfide	1.84	76	132673	45.11	ug/l	95
18) Methyl Acetate	2.45	43	97853	112.95	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	167249	55.58	ug/l	99
20) Methylene Chloride	2.28	84	62695	61.03	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	49670	47.26	ug/l	95
22) Diisopropyl ether	2.92	45	181275	48.53	ug/l	96
23) Vinyl Acetate	3.32	43	247102	124.87	ug/l	96
24) 1,1-Dichloroethane	3.00	63	128489	55.68	ug/l	99
25) 2-Butanone	4.50	43	188443	272.96	ug/l	100
26) 2,2-Dichloropropane	3.76	77	114982	48.16	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	84908	57.01	ug/l	98
28) Bromochloromethane	3.89	49	55942	57.42	ug/l	83
29) Tetrahydrofuran	4.24	42	76033	291.70	ug/l	96
30) Chloroform	4.03	83	196857	60.77	ug/l	95
31) Cyclohexane	3.86	56	86827	49.38	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	173318	62.48	ug/l	98
36) 1,1-Dichloropropene	4.46	75	113429	48.60	ug/l	99
37) Ethyl Acetate	4.28	43	55302	39.62	ug/l #	85
38) Carbon Tetrachloride	4.16	117	147133	54.45	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	95795	43.78	ug/l	87
40) Benzene	4.81	78	251407	49.32	ug/l	96
41) Methacrylonitrile	4.91	41	35924	50.89	ug/l	94
42) 1,2-Dichloroethane	5.11	62	150529	55.07	ug/l	98
43) Isopropyl Acetate	7.11	43	61036	34.75	ug/l #	99
44) Trichloroethene	5.67	130	83748	49.69	ug/l	97
45) 1,2-Dichloropropane	6.40	63	79473	55.11	ug/l	97
46) Dibromomethane	6.25	93	66187	58.66	ug/l	97
47) Bromodichloromethane	6.55	83	153962	56.49	ug/l	94
48) Methyl methacrylate	6.86	41	72036	61.97	ug/l	97
49) 1,4-Dioxane	6.86	88	11091	993.92	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	435839	287.31	ug/l	99
52) Toluene	7.78	92	183609	56.64	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	121915	49.33	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	142700	51.73	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	82752	60.16	ug/l	94
56) Ethyl methacrylate	8.76	69	74947	45.01	ug/l	92
57) 1,3-Dichloropropane	9.00	76	138768	57.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	34164	258.50	ug/l	100
59) 2-Hexanone	9.62	43	338734	275.90	ug/l	94
60) Dibromochloromethane	8.86	129	118944	58.58	ug/l	98
61) 1,2-Dibromoethane	9.13	107	95348	59.02	ug/l	96
64) Tetrachloroethene	8.30	164	97848	54.94	ug/l	98
65) Chlorobenzene	9.94	112	251422	50.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	101186	53.43	ug/l	97
67) Ethyl Benzene	10.04	91	428123	49.70	ug/l	100
68) m/p-Xylenes	10.26	106	308785	110.90	ug/l	99
69) o-Xylene	10.83	106	174077	51.58	ug/l	96
70) Styrene	10.90	104	176842	34.15	ug/l	97
71) Bromoform	10.89	173	74934	56.72	ug/l	96
73) Isopropylbenzene	11.23	105	496327	52.08	ug/l	99
74) N-amyl acetate	11.47	43	97448	32.90	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	127875	61.44	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	95404	59.11	ug/l	96
77) Bromobenzene	11.59	156	130590	50.39	ug/l	96
78) n-propylbenzene	11.68	91	595331	50.61	ug/l	98
79) 2-Chlorotoluene	11.81	91	346776	50.14	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	424605	51.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	41193m	55.78	ug/l	
82) 4-Chlorotoluene	11.99	91	386019	51.41	ug/l	98
83) tert-Butylbenzene	12.22	119	410860	50.74	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	418542	47.42	ug/l	98
85) sec-Butylbenzene	12.38	105	553844	49.13	ug/l	97
86) p-Isopropyltoluene	12.54	119	450068	48.12	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	237031	49.46	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	236681	49.70	ug/l	96
89) n-Butylbenzene	12.92	91	432338	47.58	ug/l	98
90) Hexachloroethane	12.99	117	110063	52.37	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	229992	49.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25673	60.36	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	149481	44.05	ug/l	96
94) Hexachlorobutadiene	14.26	225	88633	41.96	ug/l	99
95) Naphthalene	14.52	128	259025	44.26	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	152520	47.10	ug/l	97

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

