

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062076.D
 Acq On : 22 Mar 2019 11:04
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:09 AM

Quant Time: Mar 23 01:04:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	290251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	436226	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	358960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	194075	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	22893	10.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.20%	
35) Dibromofluoromethane	4.15	113	32234	10.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.84%	
50) Toluene-d8	7.59	98	95503	10.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.68%	
62) 4-Bromofluorobenzene	11.44	95	36594	10.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	39415	10.600	ug/l	97
3) Chloromethane	1.11	50	39856	10.244	ug/l	100
4) Vinyl Chloride	1.16	62	35951	9.990	ug/l	94
5) Bromomethane	1.33	94	28856	11.154	ug/l	90
6) Chloroethane	1.41	64	18231	10.063	ug/l #	78
7) Trichlorofluoromethane	1.51	101	45588m	10.921	ug/l	
8) Diethyl Ether	1.64	74	10498	10.574	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.86	101	32383	10.921	ug/l	96
10) Methyl Iodide	1.93	142	59168m	10.702	ug/l	
11) Tert butyl alcohol	2.59	59	6015	50.637	ug/l #	80
12) 1,1-Dichloroethene	1.81	96	30284	10.824	ug/l	86
13) Acrolein	2.03	56	8492	59.315	ug/l	89
14) Allyl chloride	2.12	41	32485	10.875	ug/l	92
15) Acrylonitrile	2.97	53	22087	52.876	ug/l	88
16) Acetone	2.26	43	20697	45.550	ug/l	98
17) Carbon Disulfide	1.85	76	88105m	10.535	ug/l	
18) Methyl Acetate	2.36	43	12511	11.623	ug/l	92
19) Methyl tert-butyl Ether	2.45	73	47434	10.727	ug/l	93
20) Methylene Chloride	2.21	84	35813m	11.798	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	27122	10.431	ug/l	93
22) Diisopropyl ether	2.83	45	87382	11.158	ug/l	98
23) Vinyl Acetate	3.22	43	156187	48.709	ug/l	99
24) 1,1-Dichloroethane	2.90	63	50266	10.703	ug/l	98
25) 2-Butanone	4.38	43	48917	51.569	ug/l	97
26) 2,2-Dichloropropane	3.63	77	20045	10.527	ug/l	97
27) cis-1,2-Dichloroethene	3.51	96	37650	10.555	ug/l	97
28) Bromochloromethane	3.75	49	19247	10.030	ug/l	87
29) Tetrahydrofuran	4.12	42	21158	51.302	ug/l	95
30) Chloroform	3.89	83	54022	10.884	ug/l	94
31) Cyclohexane	3.71	56	52263m	11.339	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	29344	9.719	ug/l	99
36) 1,1-Dichloropropene	4.32	75	45861	11.037	ug/l	98
37) Ethyl Acetate	4.15	43	17878	9.845	ug/l	94
38) Carbon Tetrachloride	4.02	117	31212	11.021	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	49778	10.322	ug/l	98
40) Benzene	4.67	78	121399	10.899	ug/l	97
41) Methacrylonitrile	4.78	41	10250	10.668	ug/l #	94
42) 1,2-Dichloroethane	4.98	62	27998	10.629	ug/l	98
43) Isopropyl Acetate	7.00	43	23737	10.794	ug/l #	90
44) Trichloroethene	5.54	130	38388	11.272	ug/l	95
45) 1,2-Dichloropropane	6.27	63	27859	10.486	ug/l	95
46) Dibromomethane	6.12	93	16465	10.136	ug/l #	82
47) Bromodichloromethane	6.42	83	38313	10.648	ug/l	95
48) Methyl methacrylate	6.74	41	12426	9.924	ug/l	90
49) 1,4-Dioxane	6.74	88	1990	181.125	ug/l #	52
51) 4-Methyl-2-Pentanone	8.29	43	80999	55.030	ug/l	100
52) Toluene	7.66	92	70624	10.947	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	29720	10.522	ug/l	92
54) cis-1,3-Dichloropropene	7.33	75	44047	10.899	ug/l	92
55) 1,1,2-Trichloroethane	8.52	97	19130	10.439	ug/l	98
56) Ethyl methacrylate	8.66	69	22631	10.355	ug/l	91
57) 1,3-Dichloropropane	8.89	76	31389	10.320	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	15684	47.292	ug/l	95
59) 2-Hexanone	9.52	43	58111	53.868	ug/l	98
60) Dibromochloromethane	8.75	129	24632	9.669	ug/l	99
61) 1,2-Dibromoethane	9.02	107	19760	10.107	ug/l	91
64) Tetrachloroethene	8.18	164	31754	11.450	ug/l	89
65) Chlorobenzene	9.83	112	71984	10.718	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.97	131	30697	11.378	ug/l	92
67) Ethyl Benzene	9.93	91	129861	11.118	ug/l	100
68) m/p-Xylenes	10.16	106	96394	22.080	ug/l	90
69) o-Xylene	10.74	106	50152	10.968	ug/l	100
70) Styrene	10.81	104	75967	10.966	ug/l	98
71) Bromoform	10.80	173	14481	10.494	ug/l #	93
73) Isopropylbenzene	11.15	105	147722	10.817	ug/l	96
74) N-amyl acetate	11.40	43	34610	10.636	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.72	83	23978	10.226	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	17804	10.789	ug/l	97
77) Bromobenzene	11.52	156	36515	10.944	ug/l	95
78) n-propylbenzene	11.61	91	179738	11.335	ug/l	98
79) 2-Chlorotoluene	11.74	91	96590	10.959	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	124116	11.049	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.89	75	6757m	7.592	ug/l	
82) 4-Chlorotoluene	11.92	91	102769	11.372	ug/l	98
83) tert-Butylbenzene	12.16	119	128026	10.888	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	125193	11.369	ug/l	93
85) sec-Butylbenzene	12.32	105	171727	11.289	ug/l	97
86) p-Isopropyltoluene	12.48	119	147556	11.196	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	69032	11.136	ug/l	94
88) 1,4-Dichlorobenzene	12.59	146	65200	10.779	ug/l	97
89) n-Butylbenzene	12.87	91	144006	11.453	ug/l	94
90) Hexachloroethane	12.93	117	33951	10.819	ug/l	95
91) 1,2-Dichlorobenzene	12.96	146	67851	11.657	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	3327	9.364	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	46996	11.585	ug/l	95
94) Hexachlorobutadiene	14.21	225	29649	10.992	ug/l	93
95) Naphthalene	14.47	128	70280	9.886	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	40080	10.555	ug/l	95

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

