

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062280.D
 Acq On : 24 Apr 2019 14:45
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:59 AM

Quant Time: Apr 25 08:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	484423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	671608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	489074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	279520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	72175	18.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.74%	
35) Dibromofluoromethane	4.32	113	94852	18.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.12%	
50) Toluene-d8	7.72	98	226877	18.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.18%	
62) 4-Bromofluorobenzene	11.51	95	90711	17.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	122662	20.467	ug/l	95
3) Chloromethane	1.16	50	99554	19.835	ug/l	99
4) Vinyl Chloride	1.19	62	94483	20.067	ug/l	94
5) Bromomethane	1.38	94	55825	17.566	ug/l	96
6) Chloroethane	1.45	64	40918	19.834	ug/l	90
7) Trichlorofluoromethane	1.56	101	150261	20.230	ug/l	90
8) Diethyl Ether	1.72	74	24538	18.382	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	93241	20.028	ug/l	99
10) Methyl Iodide	1.99	142	162432	20.044	ug/l	91
11) Tert butyl alcohol	2.71	59	23835	101.910	ug/l #	86
12) 1,1-Dichloroethene	1.87	96	83945	19.650	ug/l	97
13) Acrolein	2.10	56	8199m	52.932	ug/l	
14) Allyl chloride	2.20	41	92027	14.288	ug/l #	71
15) Acrylonitrile	3.10	53	69192	102.290	ug/l	97
16) Acetone	2.36	43	80411	91.623	ug/l	96
17) Carbon Disulfide	1.91	76	214309	19.347	ug/l	96
18) Methyl Acetate	2.47	43	39297	18.059	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	160467	20.387	ug/l	95
20) Methylene Chloride	2.35	84	90134m	16.233	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	82285	20.054	ug/l	90
22) Diisopropyl ether	2.95	45	241776	19.722	ug/l	98
23) Vinyl Acetate	3.35	43	536386	100.993	ug/l	97
24) 1,1-Dichloroethane	3.02	63	141118	20.520	ug/l	99
25) 2-Butanone	4.54	43	137324	98.726	ug/l	96
26) 2,2-Dichloropropane	3.79	77	71972	20.038	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	109326	20.829	ug/l	95
28) Bromochloromethane	3.92	49	60256	20.035	ug/l #	97
29) Tetrahydrofuran	4.29	42	56522	93.230	ug/l	99
30) Chloroform	4.06	83	178538	20.814	ug/l	100
31) Cyclohexane	3.89	56	135814	20.416	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	117086	18.329	ug/l #	85
36) 1,1-Dichloropropene	4.49	75	126855	19.887	ug/l	98
37) Ethyl Acetate	4.31	43	48397	18.479	ug/l	91
38) Carbon Tetrachloride	4.19	117	121743	19.533	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	149913	19.943	ug/l	97
40) Benzene	4.83	78	315068	20.478	ug/l	99
41) Methacrylonitrile	4.95	41	30123	20.591	ug/l	94
42) 1,2-Dichloroethane	5.14	62	95518	20.216	ug/l	99
43) Isopropyl Acetate	7.13	43	50765	18.377	ug/l #	99
44) Trichloroethene	5.70	130	102792	19.754	ug/l	95
45) 1,2-Dichloropropane	6.42	63	64573	19.053	ug/l	98
46) Dibromomethane	6.27	93	50768	20.679	ug/l	98
47) Bromodichloromethane	6.57	83	114766	19.857	ug/l	94
48) Methyl methacrylate	6.89	41	35842	18.909	ug/l	93
49) 1,4-Dioxane	6.88	88	7427	342.357	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	199147	94.220	ug/l	99
52) Toluene	7.79	92	176016	19.947	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	84542	20.085	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	112761	20.631	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	49475	20.513	ug/l	92
56) Ethyl methacrylate	8.76	69	50428	18.703	ug/l	96
57) 1,3-Dichloropropane	9.00	76	73507	19.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	87004	104.455	ug/l	97
59) 2-Hexanone	9.63	43	122170	59.272	ug/l	100
60) Dibromochloromethane	8.87	129	77567	19.959	ug/l	96
61) 1,2-Dibromoethane	9.14	107	54705	19.464	ug/l	97
64) Tetrachloroethene	8.31	164	86372	20.546	ug/l	96
65) Chlorobenzene	9.95	112	185748	20.477	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	89255	20.414	ug/l	97
67) Ethyl Benzene	10.04	91	318538	19.797	ug/l	97
68) m/p-Xylenes	10.26	106	240039	40.403	ug/l	97
69) o-Xylene	10.83	106	140445	21.059	ug/l	97
70) Styrene	10.89	104	196790	20.397	ug/l	97
71) Bromoform	10.88	173	48984	20.642	ug/l #	99
73) Isopropylbenzene	11.22	105	426705	21.382	ug/l	98
74) N-amyl acetate	11.46	43	87879	19.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	59765	20.027	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	41268	19.163	ug/l #	100
77) Bromobenzene	11.58	156	99369	20.646	ug/l	99
78) n-propylbenzene	11.68	91	414606	19.965	ug/l	99
79) 2-Chlorotoluene	11.80	91	251701	20.394	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	338659	20.282	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	20499m	16.392	ug/l	
82) 4-Chlorotoluene	11.98	91	241023	19.706	ug/l	99
83) tert-Butylbenzene	12.21	119	376516	21.507	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	337391	20.548	ug/l	97
85) sec-Butylbenzene	12.37	105	457304	21.042	ug/l	99
86) p-Isopropyltoluene	12.52	119	399279	20.640	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	171463	19.579	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	166325	20.254	ug/l	99
89) n-Butylbenzene	12.91	91	367214	20.355	ug/l	96
90) Hexachloroethane	12.98	117	101921	21.235	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	172967	20.545	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	11920	19.650	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	152048	20.384	ug/l	98
94) Hexachlorobutadiene	14.24	225	110134	20.802	ug/l	98
95) Naphthalene	14.50	128	223505	20.180	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	141320	20.585	ug/l	98

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

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