

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061974.D
 Acq On : 16 Mar 2019 11:39
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:18:51 PM

Quant Time: Mar 22 03:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	272596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	417477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	348559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	188827	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	40940	20.86	ug/l	0.00
Spiked Amount			Recovery	=	41.72%	
35) Dibromofluoromethane	4.12	113	58814	20.98	ug/l	0.00
Spiked Amount			Recovery	=	41.96%	
50) Toluene-d8	7.55	98	173773	21.20	ug/l	0.00
Spiked Amount			Recovery	=	42.40%	
62) 4-Bromofluorobenzene	11.42	95	68502	21.04	ug/l	0.00
Spiked Amount			Recovery	=	42.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	66643	22.933	ug/l	84
3) Chloromethane	1.09	50	66620	22.559	ug/l #	84
4) Vinyl Chloride	1.14	62	64610	22.622	ug/l	98
5) Bromomethane	1.31	94	43097	21.480	ug/l #	79
6) Chloroethane	1.38	64	33972	23.041	ug/l	96
7) Trichlorofluoromethane	1.48	101	84426	22.312	ug/l	88
8) Diethyl Ether	1.63	74	17076	20.300	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.82	101	58248	21.849	ug/l	98
10) Methyl Iodide	1.90	142	102885m	22.050	ug/l	
11) Tert butyl alcohol	2.57	59	12026	100.157	ug/l #	78
12) 1,1-Dichloroethene	1.79	96	49477	21.505	ug/l	92
13) Acrolein	2.00	56	14567	112.381	ug/l	96
14) Allyl chloride	2.10	41	72246	24.600	ug/l	92
15) Acrylonitrile	2.95	53	37188	101.848	ug/l	97
16) Acetone	2.25	43	46336	105.158	ug/l	94
17) Carbon Disulfide	1.82	76	151854	22.822	ug/l #	95
18) Methyl Acetate	2.35	43	19210	20.524	ug/l #	87
19) Methyl tert-butyl Ether	2.43	73	89593	21.491	ug/l	94
20) Methylene Chloride	2.18	84	48380m	21.327	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	52280	21.775	ug/l	96
22) Diisopropyl ether	2.80	45	158245	22.401	ug/l #	91
23) Vinyl Acetate	3.19	43	310783	111.602	ug/l	97
24) 1,1-Dichloroethane	2.88	63	91196	22.202	ug/l	99
25) 2-Butanone	4.34	43	89238	102.260	ug/l	95
26) 2,2-Dichloropropane	3.60	77	42852	22.118	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	68023	22.478	ug/l	96
28) Bromochloromethane	3.72	49	32442	19.035	ug/l	91
29) Tetrahydrofuran	4.08	42	41983	110.623	ug/l	94
30) Chloroform	3.86	83	108635	23.343	ug/l	94
31) Cyclohexane	3.70	56	91939	22.846	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	77397	25.042	ug/l	96
36) 1,1-Dichloropropene	4.28	75	83269	22.087	ug/l	99
37) Ethyl Acetate	4.12	43	37995	22.445	ug/l	92
38) Carbon Tetrachloride	3.98	117	63677	23.111	ug/l	99

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39) Methylcyclohexane	5.45	83	98235	22.195	ug/l	99
40) Benzene	4.63	78	231113	23.135	ug/l	98
41) Methacrylonitrile	4.75	41	17127	18.937	ug/l #	89
42) 1,2-Dichloroethane	4.95	62	53363	21.458	ug/l	97
43) Isopropyl Acetate	6.96	43	40930	20.436	ug/l #	97
44) Trichloroethene	5.50	130	67561	22.077	ug/l	97
45) 1,2-Dichloropropane	6.24	63	54821	23.189	ug/l	98
46) Dibromomethane	6.08	93	31912	22.691	ug/l	85
47) Bromodichloromethane	6.39	83	69718	21.027	ug/l	99
48) Methyl methacrylate	6.71	41	25632	19.802	ug/l #	85
49) 1,4-Dioxane	6.72	88	4759	413.330	ug/l #	74
51) 4-Methyl-2-Pentanone	8.26	43	154246	108.454	ug/l	98
52) Toluene	7.63	92	137907	22.594	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	62376	22.284	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	80538	22.051	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	36733	21.563	ug/l	98
56) Ethyl methacrylate	8.63	69	42883	22.144	ug/l	89
57) 1,3-Dichloropropane	8.85	76	63002	22.171	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.29	63	34453	98.225	ug/l	96
59) 2-Hexanone	9.49	43	104472	101.500	ug/l	96
60) Dibromochloromethane	8.71	129	50316	21.276	ug/l	91
61) 1,2-Dibromoethane	8.99	107	39570	21.655	ug/l	97
64) Tetrachloroethene	8.15	164	56171	22.170	ug/l	95
65) Chlorobenzene	9.80	112	147824	22.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	59314	23.580	ug/l	97
67) Ethyl Benzene	9.90	91	259152	23.323	ug/l	98
68) m/p-Xylenes	10.13	106	200748	48.036	ug/l	94
69) o-Xylene	10.72	106	99668	22.288	ug/l	90
70) Styrene	10.80	104	145496	23.485	ug/l	98
71) Bromoform	10.78	173	26636	20.934	ug/l	88
73) Isopropylbenzene	11.12	105	303833	23.291	ug/l	97
74) N-amyl acetate	11.38	43	63877	21.370	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	46748	21.710	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	32072	21.300	ug/l	95
77) Bromobenzene	11.50	156	68543	22.688	ug/l	93
78) n-propylbenzene	11.59	91	353825	23.588	ug/l	96
79) 2-Chlorotoluene	11.72	91	187337	22.126	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	241278	22.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	15283m	22.944	ug/l	
82) 4-Chlorotoluene	11.90	91	193469	22.596	ug/l	98
83) tert-Butylbenzene	12.13	119	260109	23.602	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	238490	22.595	ug/l	96
85) sec-Butylbenzene	12.30	105	338390	22.726	ug/l	100
86) p-Isopropyltoluene	12.46	119	283163	22.791	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	135098	22.753	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	128560	22.495	ug/l	95
89) n-Butylbenzene	12.85	91	273116	23.393	ug/l	96
90) Hexachloroethane	12.92	117	65274	23.021	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	124761	22.687	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7138	20.658	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	86982	22.713	ug/l	96
94) Hexachlorobutadiene	14.19	225	55963	22.013	ug/l	96
95) Naphthalene	14.45	128	143578	20.846	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	79225	22.487	ug/l	99

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

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