

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061972.D
 Acq On : 16 Mar 2019 10:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:18:41 PM

Quant Time: Mar 22 03:26:08 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	295978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	433828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	370153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	212156	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	11316	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	4.11	113	16836	5.78	ug/l	0.00
Spiked Amount			Recovery	=	11.56%	
50) Toluene-d8	7.55	98	44526	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
62) 4-Bromofluorobenzene	11.42	95	19164	5.66	ug/l	0.00
Spiked Amount			Recovery	=	11.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	16056	5.089	ug/l	97
3) Chloromethane	1.08	50	16941	5.283	ug/l #	88
4) Vinyl Chloride	1.14	62	14075	4.539	ug/l	95
5) Bromomethane	1.33	94	11124	5.106	ug/l #	79
6) Chloroethane	1.38	64	7655	4.782	ug/l	93
7) Trichlorofluoromethane	1.47	101	21522	5.239	ug/l	90
8) Diethyl Ether	1.62	74	4443	4.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	16334	5.643	ug/l	92
10) Methyl Iodide	1.89	142	24406m	4.817	ug/l	
11) Tert butyl alcohol	2.58	59	3210	24.622	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	13453	5.385	ug/l #	74
13) Acrolein	2.01	56	3808	27.057	ug/l	95
14) Allyl chloride	2.10	41	15846	4.969	ug/l	94
15) Acrylonitrile	2.94	53	9505	23.975	ug/l	90
16) Acetone	2.23	43	11250	23.515	ug/l	99
17) Carbon Disulfide	1.83	76	35554	4.921	ug/l #	86
18) Methyl Acetate	2.34	43	5950m	5.855	ug/l	
19) Methyl tert-butyl Ether	2.42	73	23334	5.155	ug/l	98
20) Methylene Chloride	2.19	84	14831m	6.021	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	13891	5.329	ug/l	91
22) Diisopropyl ether	2.80	45	37726	4.919	ug/l	98
23) Vinyl Acetate	3.18	43	66996	22.158	ug/l	99
24) 1,1-Dichloroethane	2.87	63	20570	4.612	ug/l	97
25) 2-Butanone	4.35	43	25420	26.828	ug/l #	81
26) 2,2-Dichloropropane	3.60	77	11013	5.235	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	16045	4.883	ug/l	85
28) Bromochloromethane	3.71	49	9461	5.113	ug/l	92
29) Tetrahydrofuran	4.07	42	10800	26.209	ug/l	96
30) Chloroform	3.85	83	26224	5.190	ug/l	86
31) Cyclohexane	3.68	56	22122	5.063	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	16617	4.952	ug/l	94
36) 1,1-Dichloropropene	4.28	75	20449	5.220	ug/l	95
37) Ethyl Acetate	4.12	43	9182	5.220	ug/l #	97
38) Carbon Tetrachloride	3.99	117	15138	5.287	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	23536	5.117	ug/l	97
40) Benzene	4.63	78	53917	5.194	ug/l	99
41) Methacrylonitrile	4.74	41	5488	5.839	ug/l	95
42) 1,2-Dichloroethane	4.94	62	14042	5.434	ug/l	97
43) Isopropyl Acetate	6.97	43	11895	5.715	ug/l #	87
44) Trichloroethene	5.50	130	17371	5.463	ug/l	97
45) 1,2-Dichloropropane	6.24	63	12435	5.062	ug/l	94
46) Dibromomethane	6.08	93	6491	4.441	ug/l	94
47) Bromodichloromethane	6.39	83	17389	5.047	ug/l	97
48) Methyl methacrylate	6.72	41	7637	5.678	ug/l #	91
49) 1,4-Dioxane	6.71	88	1077	90.014	ug/l #	53
51) 4-Methyl-2-Pentanone	8.26	43	39554	26.763	ug/l #	86
52) Toluene	7.62	92	35452	5.589	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	15385	5.289	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	18259	4.811	ug/l	89
55) 1,1,2-Trichloroethane	8.50	97	9141	5.164	ug/l #	92
56) Ethyl methacrylate	8.61	69	10611	5.273	ug/l	96
57) 1,3-Dichloropropane	8.85	76	14676	4.970	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	8881	24.365	ug/l	94
59) 2-Hexanone	9.49	43	29931	27.984	ug/l	92
60) Dibromochloromethane	8.71	129	12458	5.069	ug/l	97
61) 1,2-Dibromoethane	8.98	107	9708	5.113	ug/l	94
64) Tetrachloroethene	8.14	164	15224	5.658	ug/l	94
65) Chlorobenzene	9.80	112	36428	5.286	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	12787	4.787	ug/l	83
67) Ethyl Benzene	9.90	91	65071	5.515	ug/l	98
68) m/p-Xylenes	10.12	106	48636	10.959	ug/l	92
69) o-Xylene	10.72	106	25175	5.301	ug/l	98
70) Styrene	10.78	104	34789	5.288	ug/l	97
71) Bromoform	10.77	173	6900	5.107	ug/l	93
73) Isopropylbenzene	11.12	105	74651	5.093	ug/l	93
74) N-amyl acetate	11.38	43	15212	4.529	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	12581	5.200	ug/l	87
76) 1,2,3-Trichloropropane	11.79	75	8309	4.912	ug/l	81
77) Bromobenzene	11.49	156	17626	5.193	ug/l	95
78) n-propylbenzene	11.59	91	92614	5.495	ug/l	100
79) 2-Chlorotoluene	11.72	91	50262	5.284	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	64953	5.486	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.87	75	3017m	4.031	ug/l	
82) 4-Chlorotoluene	11.90	91	51090	5.311	ug/l	95
83) tert-Butylbenzene	12.13	119	62780	5.070	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	63688	5.370	ug/l	96
85) sec-Butylbenzene	12.30	105	89364	5.342	ug/l	100
86) p-Isopropyltoluene	12.46	119	72815	5.216	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	36660	5.495	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	34074	5.307	ug/l	85
89) n-Butylbenzene	12.85	91	66459	5.067	ug/l	96
90) Hexachloroethane	12.91	117	14632	4.593	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	31769	5.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	1858	4.786	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	22006	5.115	ug/l	96
94) Hexachlorobutadiene	14.19	225	14836	5.194	ug/l	90
95) Naphthalene	14.45	128	36575	4.726	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	18335	4.632	ug/l	99

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

