

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062285.D
 Acq On : 24 Apr 2019 17:14
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:02 AM

Quant Time: Apr 25 08:31:38 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	5.06	168	505864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	701013	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	514470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	295213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	78696	19.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	38.36%		
35) Dibromofluoromethane	4.31	113	101827	19.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	38.18%		
50) Toluene-d8	7.72	98	252448	19.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	39.64%		
62) 4-Bromofluorobenzene	11.50	95	102567	19.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	38.20%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	123749	19.773	ug/l	96
3) Chloromethane	1.15	50	101528	19.371	ug/l #	84
4) Vinyl Chloride	1.19	62	96292	19.584	ug/l	98
5) Bromomethane	1.40	94	59677	17.983	ug/l	91
6) Chloroethane	1.44	64	39837	18.491	ug/l	96
7) Trichlorofluoromethane	1.55	101	151235	19.498	ug/l	87
8) Diethyl Ether	1.71	74	27330	19.606	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	96420	19.833	ug/l	97
10) Methyl Iodide	1.99	142	167778	19.826	ug/l	99
11) Tert butyl alcohol	2.71	59	25997	106.442	ug/l	97
12) 1,1-Dichloroethene	1.87	96	80265	17.992	ug/l	94
13) Acrolein	2.11	56	26045	161.016	ug/l	92
14) Allyl chloride	2.20	41	90496	13.455	ug/l #	68
15) Acrylonitrile	3.09	53	70759	100.173	ug/l	98
16) Acetone	2.35	43	94503	103.116	ug/l	99
17) Carbon Disulfide	1.92	76	215481	18.628	ug/l #	91
18) Methyl Acetate	2.47	43	39860	17.541	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	168527	20.503	ug/l	95
20) Methylene Chloride	2.34	84	81573m	14.069	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	84428	19.704	ug/l	97
22) Diisopropyl ether	2.94	45	250677	19.582	ug/l	99
23) Vinyl Acetate	3.35	43	592977	106.916	ug/l	98
24) 1,1-Dichloroethane	3.01	63	142963	19.907	ug/l	100
25) 2-Butanone	4.53	43	153912	105.961	ug/l	96
26) 2,2-Dichloropropane	3.78	77	77994	20.795	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	105044	19.165	ug/l	98
28) Bromochloromethane	3.91	49	62433	19.879	ug/l #	100
29) Tetrahydrofuran	4.29	42	68790	108.656	ug/l	94
30) Chloroform	4.06	83	184056	20.548	ug/l	95
31) Cyclohexane	3.88	56	132668	19.098	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	151039	22.642	ug/l #	91
36) 1,1-Dichloropropene	4.48	75	130354	19.578	ug/l	98
37) Ethyl Acetate	4.31	43	57321	20.968	ug/l #	96
38) Carbon Tetrachloride	4.19	117	137773m	21.178	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	151355	19.290	ug/l	99
40) Benzene	4.83	78	319632	19.903	ug/l	99
41) Methacrylonitrile	4.94	41	32699	21.414	ug/l #	68
42) 1,2-Dichloroethane	5.13	62	101791	20.640	ug/l	99
43) Isopropyl Acetate	7.12	43	61578	21.356	ug/l #	98
44) Trichloroethene	5.69	130	112898	20.786	ug/l	98
45) 1,2-Dichloropropane	6.41	63	73776	20.855	ug/l	93
46) Dibromomethane	6.27	93	52054	20.314	ug/l	98
47) Bromodichloromethane	6.56	83	121131	20.079	ug/l	95
48) Methyl methacrylate	6.89	41	40293	20.366	ug/l	95
49) 1,4-Dioxane	6.89	88	9922	438.183	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	220245	99.831	ug/l	99
52) Toluene	7.78	92	185836	20.176	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	95543	21.747	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	118193	20.718	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	53208	21.136	ug/l	94
56) Ethyl methacrylate	8.76	69	55456	19.705	ug/l	96
57) 1,3-Dichloropropane	9.01	76	85991	21.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	93818	107.911	ug/l	99
59) 2-Hexanone	9.63	43	154270	71.706	ug/l	97
60) Dibromochloromethane	8.87	129	85877	21.170	ug/l	100
61) 1,2-Dibromoethane	9.14	107	60747	20.707	ug/l	98
64) Tetrachloroethene	8.31	164	93143	21.063	ug/l	95
65) Chlorobenzene	9.94	112	197652	20.714	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	92953	20.210	ug/l	98
67) Ethyl Benzene	10.04	91	350928	20.733	ug/l	95
68) m/p-Xylenes	10.27	106	257287	41.169	ug/l	96
69) o-Xylene	10.82	106	145367	20.721	ug/l	98
70) Styrene	10.90	104	213872	21.073	ug/l	98
71) Bromoform	10.88	173	54855	21.975	ug/l #	97
73) Isopropylbenzene	11.22	105	419219	19.891	ug/l	99
74) N-amyl acetate	11.45	43	98618	20.609	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	69492	22.048	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	45483	19.998	ug/l #	100
77) Bromobenzene	11.59	156	107494	21.147	ug/l	99
78) n-propylbenzene	11.68	91	453267	20.666	ug/l	100
79) 2-Chlorotoluene	11.81	91	267039	20.486	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	375305	21.282	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	22433m	16.985	ug/l	
82) 4-Chlorotoluene	11.97	91	272116	21.066	ug/l	99
83) tert-Butylbenzene	12.20	119	376803	20.379	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	352620	20.333	ug/l	98
85) sec-Butylbenzene	12.38	105	464850	20.253	ug/l	98
86) p-Isopropyltoluene	12.53	119	423161	20.712	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	189650	20.504	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	182469	21.039	ug/l	99
89) n-Butylbenzene	12.90	91	384900	20.201	ug/l	97
90) Hexachloroethane	12.98	117	101944	20.111	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	186392	20.963	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	12796	19.973	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	162612	20.642	µg/l	100
94) Hexachlorobutadiene	14.23	225	116530	20.840	µg/l	99
95) Naphthalene	14.50	128	241849	20.676	µg/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	153713	21.199	µg/l	99

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

