

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062618.D
 Acq On : 16 May 2019 10:36
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:19:54 PM

Quant Time: May 17 05:08:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	798218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1314478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1023535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	485763	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	30975	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
35) Dibromofluoromethane	4.32	113	57819	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	7.72	98	142232	5.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.84%	
62) 4-Bromofluorobenzene	11.50	95	52563	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.01	85	68701	6.325	ug/l 98
3) Chloromethane	1.15	50	60081	6.007	ug/l 95
4) Vinyl Chloride	1.19	62	53199	5.778	ug/l 94
5) Bromomethane	1.40	94	27869	5.533	ug/l 90
6) Chloroethane	1.44	64	19469	5.758	ug/l 96
7) Trichlorofluoromethane	1.57	101	66594	5.718	ug/l 98
8) Diethyl Ether	1.72	74	14090	5.753	ug/l 60
9) 1,1,2-Trichlorotrifluoroet	1.91	101	42993	5.462	ug/l 98
10) Methyl Iodide	1.98	142	80718	5.220	ug/l # 90
11) Tert butyl alcohol	2.71	59	9604	25.790	ug/l # 50
12) 1,1-Dichloroethene	1.87	96	38754	5.405	ug/l 92
13) Acrolein	2.10	56	8395	21.596	ug/l 98
14) Allyl chloride	2.21	41	43566	6.184	ug/l 89
15) Acrylonitrile	3.10	53	22590	21.505	ug/l # 87
16) Acetone	2.36	43	30238	20.663	ug/l 98
17) Carbon Disulfide	1.92	76	126427	6.188	ug/l 95
18) Methyl Acetate	2.46	43	12849	5.138	ug/l 95
19) Methyl tert-butyl Ether	2.56	73	68793	5.367	ug/l 94
20) Methylene Chloride	2.35	84	43852m	6.013	ug/l
21) trans-1,2-Dichloroethene	2.43	96	36213	5.167	ug/l 87
22) Diisopropyl ether	2.95	45	74469	4.652	ug/l 97
23) Vinyl Acetate	3.36	43	268960	24.910	ug/l 99
24) 1,1-Dichloroethane	3.03	63	59877	5.099	ug/l 97
25) 2-Butanone	4.53	43	76783	24.559	ug/l 93
26) 2,2-Dichloropropane	3.79	77	37948	5.648	ug/l 91
27) cis-1,2-Dichloroethene	3.66	96	55560	4.819	ug/l 93
28) Bromochloromethane	3.91	49	38390	5.829	ug/l # 73
29) Tetrahydrofuran	4.29	42	32556	25.733	ug/l 100
30) Chloroform	4.06	83	83640	5.130	ug/l 97
31) Cyclohexane	3.89	56	83524	5.714	ug/l # 82
32) 1,1,1-Trichloroethane	4.30	97	66081	6.103	ug/l 90
36) 1,1-Dichloropropene	4.48	75	67970	5.046	ug/l 94
37) Ethyl Acetate	4.32	43	26147	4.754	ug/l # 73
38) Carbon Tetrachloride	4.21	117	62424	6.578	ug/l # 82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	84188	5.195	ug/l	95
40) Benzene	4.83	78	195401	5.325	ug/l	98
41) Methacrylonitrile	4.94	41	13428	4.657	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	31744	4.338	ug/l	89
43) Isopropyl Acetate	7.13	43	30474	4.277	ug/l #	92
44) Trichloroethene	5.70	130	53033	5.142	ug/l	90
45) 1,2-Dichloropropane	6.42	63	49096	5.300	ug/l	96
46) Dibromomethane	6.27	93	25734	4.807	ug/l #	84
47) Bromodichloromethane	6.56	83	56079	5.046	ug/l	94
48) Methyl methacrylate	6.89	41	19311	5.185	ug/l #	79
49) 1,4-Dioxane	6.89	88	4515	94.659	ug/l #	66
51) 4-Methyl-2-Pentanone	8.42	43	116229	23.866	ug/l	92
52) Toluene	7.79	92	100691	5.232	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	47307	5.203	ug/l	90
54) cis-1,3-Dichloropropene	7.47	75	66978	5.262	ug/l #	83
55) 1,1,2-Trichloroethane	8.64	97	29667	5.207	ug/l	93
56) Ethyl methacrylate	8.77	69	34151	5.031	ug/l	96
57) 1,3-Dichloropropane	9.01	76	49442	5.094	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	52843	23.915	ug/l	92
59) 2-Hexanone	9.63	43	82761	23.243	ug/l	99
60) Dibromochloromethane	8.87	129	33428	4.501	ug/l	95
61) 1,2-Dibromoethane	9.14	107	31006	5.123	ug/l	99
64) Tetrachloroethene	8.32	164	42427	5.232	ug/l	95
65) Chlorobenzene	9.95	112	100339	4.991	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	40846	5.061	ug/l	95
67) Ethyl Benzene	10.03	91	182295	5.220	ug/l	95
68) m/p-Xylenes	10.27	106	130958	9.977	ug/l	79
69) o-Xylene	10.82	106	66612	4.927	ug/l	92
70) Styrene	10.90	104	93873	4.568	ug/l	97
71) Bromoform	10.89	173	16624	4.113	ug/l #	91
73) Isopropylbenzene	11.22	105	185667	5.333	ug/l	95
74) N-amyl acetate	11.45	43	48747	4.539	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	35146	4.940	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	24845	5.314	ug/l	93
77) Bromobenzene	11.58	156	43337	5.008	ug/l	84
78) n-propylbenzene	11.68	91	238406	5.786	ug/l	90
79) 2-Chlorotoluene	11.80	91	123975	5.339	ug/l	90
80) 1,3,5-Trimethylbenzene	11.90	105	145655	5.218	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	10152m	3.909	ug/l	
82) 4-Chlorotoluene	11.98	91	123706	5.402	ug/l	94
83) tert-Butylbenzene	12.20	119	149301	5.271	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	141116	5.223	ug/l	96
85) sec-Butylbenzene	12.37	105	204937	5.392	ug/l	92
86) p-Isopropyltoluene	12.53	119	164007	5.120	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	87132	5.565	ug/l	90
88) 1,4-Dichlorobenzene	12.63	146	75081	5.110	ug/l	98
89) n-Butylbenzene	12.90	91	176281	5.582	ug/l	91
90) Hexachloroethane	12.98	117	40351	5.251	ug/l	78
91) 1,2-Dichlorobenzene	13.00	146	72565	5.199	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3987	4.697	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	51041	5.109	ug/l	88
94) Hexachlorobutadiene	14.23	225	32407	4.648	ug/l	94
95) Naphthalene	14.50	128	74243	4.091	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	43439	4.591	ug/l	94

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

