

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062759.D
 Acq On : 28 May 2019 14:28
 Operator : FY/SY
 Sample : VF0528SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:12 AM

Quant Time: May 29 02:12:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	810965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1325035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1012114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	489947	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	242160	42.26	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	84.52%	
35) Dibromofluoromethane	4.34	113	454206	44.80	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	89.60%	
50) Toluene-d8	7.73	98	1067556	44.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.20%	
62) 4-Bromofluorobenzene	11.50	95	397364	43.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	195337	17.700	ug/l	98
3) Chloromethane	1.14	50	177472	17.465	ug/l	89
4) Vinyl Chloride	1.19	62	171971	18.385	ug/l	95
5) Bromomethane	1.39	94	92853	18.145	ug/l	100
6) Chloroethane	1.46	64	63579	18.507	ug/l	89
7) Trichlorofluoromethane	1.55	101	254001	20.224	ug/l	94
8) Diethyl Ether	1.72	74	46202	18.569	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	157390	19.680	ug/l	92
10) Methyl Iodide	2.00	142	309145m	19.678	ug/l	
11) Tert butyl alcohol	2.71	59	34069	90.048	ug/l	94
12) 1,1-Dichloroethene	1.88	96	151533	20.800	ug/l	97
13) Acrolein	2.11	56	25405	64.327	ug/l	97
14) Allyl chloride	2.21	41	143425m	21.753	ug/l	
15) Acrylonitrile	3.10	53	163243	152.958	ug/l #	92
16) Acetone	2.37	43	127372	85.673	ug/l #	88
17) Carbon Disulfide	1.91	76	407623	18.878	ug/l #	94
18) Methyl Acetate	2.47	43	50004	21.403	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	275883	21.184	ug/l	100
20) Methylene Chloride	2.36	84	160298m	21.510	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	144328	20.269	ug/l	94
22) Diisopropyl ether	2.95	45	321162	19.749	ug/l	99
23) Vinyl Acetate	3.36	43	1122634	102.338	ug/l	99
24) 1,1-Dichloroethane	3.03	63	252208	21.141	ug/l	99
25) 2-Butanone	4.54	43	311060	97.929	ug/l	99
26) 2,2-Dichloropropane	3.79	77	156514	22.930	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	250104	21.353	ug/l	97
28) Bromochloromethane	3.92	49	126965	18.976	ug/l	96
29) Tetrahydrofuran	4.30	42	124194	96.621	ug/l	96
30) Chloroform	4.08	83	354683	21.414	ug/l	98
31) Cyclohexane	3.89	56	334663	20.893	ug/l	97
32) 1,1,1-Trichloroethane	4.32	97	230114	20.919	ug/l	95
36) 1,1-Dichloropropene	4.49	75	279668	20.598	ug/l	96
37) Ethyl Acetate	4.33	43	117940	21.275	ug/l	89
38) Carbon Tetrachloride	4.21	117	202321	19.813	ug/l	99

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39) Methylcyclohexane	5.66	83	336294	20.585	ug/l	97
40) Benzene	4.85	78	814200	22.012	ug/l	99
41) Methacrylonitrile	4.96	41	58177	20.017	ug/l	94
42) 1,2-Dichloroethane	5.16	62	154695	20.972	ug/l	94
43) Isopropyl Acetate	7.14	43	149676	20.840	ug/l	91
44) Trichloroethene	5.71	130	222337	21.387	ug/l	90
45) 1,2-Dichloropropane	6.43	63	203317	21.775	ug/l	95
46) Dibromomethane	6.29	93	115987	21.494	ug/l	93
47) Bromodichloromethane	6.57	83	243755	21.759	ug/l	99
48) Methyl methacrylate	6.90	41	74049	19.726	ug/l	99
49) 1,4-Dioxane	6.90	88	19440	404.322	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	524170	106.772	ug/l	98
52) Toluene	7.80	92	428195	22.073	ug/l	91
53) t-1,3-Dichloropropene	8.45	75	199761	21.796	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	287893	22.440	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	124835	21.734	ug/l	89
56) Ethyl methacrylate	8.77	69	144123	21.062	ug/l	95
57) 1,3-Dichloropropane	9.02	76	215720	22.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	253008	113.591	ug/l	98
59) 2-Hexanone	9.64	43	345875	97.408	ug/l	99
60) Dibromochloromethane	8.88	129	171390	22.895	ug/l	97
61) 1,2-Dibromoethane	9.16	107	137440	22.529	ug/l	96
64) Tetrachloroethene	8.33	164	180771	22.545	ug/l	95
65) Chlorobenzene	9.96	112	456398	22.959	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	177028	22.183	ug/l	97
67) Ethyl Benzene	10.04	91	790702	22.896	ug/l	95
68) m/p-Xylenes	10.27	106	589306	45.403	ug/l	86
69) o-Xylene	10.83	106	295767	22.124	ug/l	97
70) Styrene	10.90	104	442524	21.778	ug/l	98
71) Bromoform	10.89	173	86215	21.571	ug/l #	99
73) Isopropylbenzene	11.23	105	791767	22.548	ug/l	95
74) N-amyl acetate	11.46	43	203525	19.486	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	162656	22.666	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	101595	21.546	ug/l	91
77) Bromobenzene	11.59	156	186086	21.319	ug/l	96
78) n-propylbenzene	11.68	91	934834	22.495	ug/l	90
79) 2-Chlorotoluene	11.81	91	520790	22.236	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	643694	22.861	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	45372m	21.647	ug/l	
82) 4-Chlorotoluene	11.99	91	518091	22.432	ug/l	97
83) tert-Butylbenzene	12.20	119	625477	21.895	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	617120	22.645	ug/l	96
85) sec-Butylbenzene	12.38	105	853248	22.256	ug/l	97
86) p-Isopropyltoluene	12.53	119	731513	22.641	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	344384	21.808	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	319324	21.548	ug/l	99
89) n-Butylbenzene	12.90	91	728139	22.858	ug/l	91
90) Hexachloroethane	12.98	117	171428	22.118	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	314466	22.339	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18053	21.087	ug/l	65

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93) 1,2,4-Trichlorobenzene	14.24	180	213119	21.151	ug/l	93
94) Hexachlorobutadiene	14.23	225	152367	21.668	ug/l	95
95) Naphthalene	14.50	128	339121	18.526	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	203973	21.372	ug/l	97

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

