

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061270.D
 Acq On : 3 Jan 2019 17:40
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV010319

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:13:03 PM

Quant Time: Jan 04 03:43:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	227635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	371539	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	345106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	165959	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	126168	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
35) Dibromofluoromethane	4.11	113	144323	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	7.56	98	435830	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.41	95	175867	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	196189	44.887	ug/l	98
3) Chloromethane	1.11	50	148553	44.366	ug/l	98
4) Vinyl Chloride	1.14	62	133563	46.052	ug/l	96
5) Bromomethane	1.33	94	98124	49.486	ug/l	99
6) Chloroethane	1.39	64	66213	50.376	ug/l	96
7) Trichlorofluoromethane	1.49	101	245007	46.944	ug/l	98
8) Diethyl Ether	1.64	74	36940	49.612	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	126147	48.378	ug/l	97
10) Methyl Iodide	1.91	142	209609m	49.753	ug/l	
11) Tert butyl alcohol	2.58	59	30301	248.513	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	104838	47.830	ug/l	96
13) Acrolein	2.00	56	23494	235.921	ug/l	99
14) Allyl chloride	2.09	41	140837	46.477	ug/l	96
15) Acrylonitrile	2.94	53	79449	243.732	ug/l	95
16) Acetone	2.24	43	119300	236.601	ug/l	96
17) Carbon Disulfide	1.84	76	327384	49.051	ug/l	99
18) Methyl Acetate	2.35	43	53439	47.710	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	210161	45.998	ug/l	96
20) Methylene Chloride	2.26	84	106508m	48.136	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	108239	46.951	ug/l	99
22) Diisopropyl ether	2.80	45	378255	49.643	ug/l	98
23) Vinyl Acetate	3.19	43	937939	268.792	ug/l	99
24) 1,1-Dichloroethane	2.87	63	213390	47.767	ug/l	98
25) 2-Butanone	4.33	43	245840	255.891	ug/l #	91
26) 2,2-Dichloropropane	3.60	77	116057	45.113	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	165227	48.774	ug/l	96
28) Bromochloromethane	3.72	49	106487	50.353	ug/l	93
29) Tetrahydrofuran	4.07	42	103140	266.809	ug/l	98
30) Chloroform	3.86	83	289021	46.253	ug/l	98
31) Cyclohexane	3.69	56	229545m	48.479	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	168260	41.456	ug/l	96
36) 1,1-Dichloropropene	4.28	75	230763	52.736	ug/l	97
37) Ethyl Acetate	4.11	43	98113	56.157	ug/l #	70
38) Carbon Tetrachloride	4.00	117	165815	47.332	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	255027	54.522	ug/l	91
40) Benzene	4.64	78	526819	53.049	ug/l	95
41) Methacrylonitrile	4.75	41	46231	51.426	ug/l	90
42) 1,2-Dichloroethane	4.94	62	174311	52.461	ug/l	95
43) Isopropyl Acetate	6.96	43	125257	53.731	ug/l #	100
44) Trichloroethene	5.50	130	154238	49.896	ug/l	98
45) 1,2-Dichloropropane	6.23	63	136531	53.850	ug/l	94
46) Dibromomethane	6.09	93	90614	54.314	ug/l	96
47) Bromodichloromethane	6.39	83	225971	53.210	ug/l	98
48) Methyl methacrylate	6.72	41	84192	55.774	ug/l	98
49) 1,4-Dioxane	6.71	88	11165	1067.458	ug/l	89
51) 4-Methyl-2-Pentanone	8.26	43	421368	289.206	ug/l	99
52) Toluene	7.63	92	328963	50.731	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	172822	49.920	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	228432	51.915	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	102800	55.127	ug/l	97
56) Ethyl methacrylate	8.62	69	119214	57.846	ug/l	97
57) 1,3-Dichloropropane	8.86	76	179395	51.177	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	67061	267.953	ug/l	96
59) 2-Hexanone	9.49	43	284090	242.364	ug/l	97
60) Dibromochloromethane	8.72	129	140026	52.864	ug/l	94
61) 1,2-Dibromoethane	8.99	107	104613	51.980	ug/l	99
64) Tetrachloroethene	8.16	164	134850	50.988	ug/l	98
65) Chlorobenzene	9.80	112	348680	49.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	141155	48.980	ug/l	97
67) Ethyl Benzene	9.90	91	646342	50.104	ug/l	97
68) m/p-Xylenes	10.13	106	457991	97.284	ug/l	100
69) o-Xylene	10.71	106	261443	51.336	ug/l	98
70) Styrene	10.79	104	334725	47.745	ug/l	99
71) Bromoform	10.77	173	67689	50.450	ug/l	99
73) Isopropylbenzene	11.13	105	749071	53.136	ug/l	99
74) N-amyl acetate	11.37	43	193760	54.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	128440	52.161	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	89545	48.987	ug/l	90
77) Bromobenzene	11.49	156	158600	53.592	ug/l	96
78) n-propylbenzene	11.59	91	830812	49.444	ug/l	99
79) 2-Chlorotoluene	11.72	91	502224	51.753	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	581396	51.086	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	41616m	49.673	ug/l	
82) 4-Chlorotoluene	11.90	91	494116	50.228	ug/l	97
83) tert-Butylbenzene	12.13	119	598068	50.968	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	562480	49.646	ug/l	100
85) sec-Butylbenzene	12.31	105	783185	49.205	ug/l	97
86) p-Isopropyltoluene	12.46	119	627943	47.881	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	273600	47.911	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	281797	50.576	ug/l	99
89) n-Butylbenzene	12.84	91	660560	57.015	ug/l	98
90) Hexachloroethane	12.91	117	164010	50.690	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	266859	48.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22831	51.596	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	192846	49.923	ug/l	95
94) Hexachlorobutadiene	14.20	225	125353	50.933	ug/l	97
95) Naphthalene	14.45	128	403438	55.875	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	184294	51.456	ug/l	98

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

