

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034802.D
 Acq On : 5 Mar 2020 19:09
 Operator : SY/AP
 Sample : L1698-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4

Quant Time: Mar 06 04:45:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.50	49	8080	10.00	ppbv	-0.18
33) 1,4-Difluorobenzene	6.98	114	117	10.00	ppbv	-0.23
55) Chlorobenzene-d5	11.76	117	262	10.00	ppbv	-0.38

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.02	95	2582	118.19	ppbv	-0.46
Spiked Amount	10.000	Range	65 - 135	Recovery	= 1181.90%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.15	85	14436	10.948	ppbv	94
3) Chlorodifluoromethane	2.91	51	90323	98.119	ppbv	95
4) Chloromethane	3.09	50	146446	295.356	ppbv #	49
5) Vinyl Chloride	3.17	62	18774581	35843.010	ppbv #	2
6) Bromomethane	3.35	94	418	1.462	ppbv #	42
7) Chloroethane	3.17	64	13738189	75852.867	ppbv #	44
8) Dichlorotetrafluoroethane	3.15	85	14436	12.602	ppbv #	21
9) Propene	2.93	41	11186503	30873.152	ppbv	84
10) Heptane	7.90	43	19566	21.248	ppbv #	27
11) Trichlorofluoromethane	3.89	101	219560	186.079	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.29	101	3291	4.042	ppbv #	75
13) Ethanol	3.55	45	3366101	27113.703	ppbv	100
14) Bromoethene	3.70	108	193	0.578	ppbv #	1
15) Acetone	3.78	43	9079585	9383.861	ppbv #	1
16) 1,3-Butadiene	3.24	39	11181377	25541.263	ppbv #	27
17) tert-Butyl alcohol	4.16	59	28754	37.688	ppbv #	1
18) 1,1-Dichloroethene	4.14	96	897	2.498	ppbv #	1
19) Isopropyl Alcohol	3.87	45	4759308	8209.416	ppbv #	1
20) Methylene Chloride	4.30	84	205122	593.987	ppbv	92
21) Allyl Chloride	4.36	41	75663	123.484	ppbv #	1
22) trans-1,2-Dichloroethene	5.07	96	2725	7.775	ppbv	85
23) Vinyl Acetate	4.93	43	49676	38.287	ppbv #	47
24) 1,1-Dichloroethane	5.06	63	58047	57.641	ppbv	99
25) Ethyl Acetate	5.44	43	70248	42.014	ppbv #	45
26) Hexane	5.56	57	3040379	4162.357	ppbv #	1
27) Carbon Disulfide	4.40	76	1750	2.051	ppbv #	1
28) Methyl tert-Butyl Ether	4.87	73	11352	10.441	ppbv #	52
30) Cyclohexane	6.88	84	920470	1647.166	ppbv #	61
31) cis-1,2-Dichloroethene	5.54	61	134344	179.318	ppbv	90
32) 1,1,1-Trichloroethane	6.33	97	1759	1.448	ppbv #	21
34) 2-Butanone	5.18	43	2500717	328534.772	ppbv #	54
35) Carbon Tetrachloride	6.56	117	568	64.338	ppbv	96
36) Benzene	7.00	78	23353946	2335923.152	ppbv #	81
37) 1,2-Dichloroethane	6.13	62	32509	4760.465	ppbv #	84
38) Trichloroethene	7.62	130	95	24.380	ppbv #	1
39) 1,2-Dichloropropane	7.50	63	160211	39707.957	ppbv	93
40) 1,4-Dioxane	7.61	88	1036	742.381	ppbv #	1
41) Tetrahydrofuran	5.92	42	13044	3358.595	ppbv #	36
42) Bromodichloromethane	7.57	83	74707	8646.165	ppbv #	38
43) Methyl Methacrylate	7.80	69	29842	7043.923	ppbv #	1
44) 2,2,4-Trimethylpentane	7.59	57	2280554	130531.315	ppbv #	1

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45) t-1,3-Dichloropropene	9.03	75	9521	2140.712	ppbv #	1
46) cis-1,3-Dichloropropene	8.47	75	962	177.134	ppbv #	23
47) 1,1,2-Trichloroethane	9.27	97	51780	12155.758	ppbv #	1
48) Dibromochloromethane	10.03	129	596	89.475	ppbv #	10
49) Bromoform	12.76	173	63	10.839	ppbv #	1
50) 4-Methyl-2-Pentanone	8.61	43	61464	5635.534	ppbv #	39
51) 2-Hexanone	9.82	43	977709	114277.968	ppbv #	29
52) Tetrachloroethene	10.97	164	84	22.741	ppbv #	1
53) Toluene	9.63	91	110117	10406.729	ppbv #	81
54) 1,2-Dibromoethane	10.32	107	331	52.551	ppbv #	20
56) 1,1,1,2-Tetrachloroethane	11.68	131	1574	135.587	ppbv #	30
57) Chlorobenzene	11.81	112	249851	12483.867	ppbv #	38
58) Ethyl Benzene	12.84	91	3605	111.653	ppbv	96
59) m/p-Xylene	12.68	91	46602	1667.371	ppbv #	31
60) o-Xylene	13.22	91	1121615	39663.096	ppbv	92
61) Styrene	13.16	104	598	34.088	ppbv #	26
62) Isopropylbenzene	13.93	105	1321	31.740	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.29	83	87699	3934.043	ppbv #	1
64) n-propylbenzene	15.15	120	88	8.433	ppbv #	1
65) tert-Butylbenzene	16.41	119	30	0.853	ppbv #	1
66) Benzyl Chloride	16.53	91	523	45.993	ppbv #	89
67) sec-Butylbenzene	16.85	105	88	1.717	ppbv #	59
69) p-Isopropyltoluene	17.07	119	267	6.437	ppbv #	1
70) n-Butylbenzene	18.04	91	228	5.027	ppbv #	32
71) 2-Chlorotoluene	15.04	91	687	21.855	ppbv #	45
72) 4-Ethyltoluene	15.41	105	33	1.048	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.54	105	55	1.821	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.34	105	84	2.559	ppbv #	41
75) 1,3-Dichlorobenzene	16.21	146	65	3.344	ppbv #	1
76) 1,4-Dichlorobenzene	17.06	146	125	6.721	ppbv #	1
77) 1,2-Dichlorobenzene	17.06	146	125	6.723	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.65	225	68	4.383	ppbv #	18
79) Naphthalene	21.44	128	80	3.242	ppbv #	69
80) Naphthalene,2-methyl-	24.14	142	63	10.691	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.50	180	63	4.039	ppbv #	18

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

