

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040183.D
 Acq On : 16 Feb 2023 17:11
 Operator : SY/MD
 Sample : VL0216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0216ABS01

Quant Time: Feb 17 03:31:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.189	49	878425	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2227670	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2199756m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1657624	9.164	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	1386208	8.467	ppbv	99
3) Chlorodifluoromethane	2.661	51	1058503	10.087	ppbv	100
4) Chloromethane	2.800	50	670525	10.173	ppbv	96
5) Vinyl Chloride	2.909	62	574845	10.853	ppbv	100
6) Bromomethane	3.108	94	193180	10.105	ppbv	98
7) Chloroethane	3.186	64	215072	10.239	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1471536	10.431	ppbv	99
9) Propene	2.681	41	445493	10.415	ppbv	98
10) Heptane	7.584	43	1111325	10.916	ppbv	100
11) Trichlorofluoromethane	3.552	101	1498930	10.204	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1091322	10.071	ppbv	100
13) Ethanol	3.234	45	29714m	7.546	ppbv	
14) Bromoethene	3.356	108	454668	10.941	ppbv	98
15) Acetone	3.456	43	1018545	9.631	ppbv	100
16) 1,3-Butadiene	2.973	39	514766	10.658	ppbv	98
17) tert-Butyl alcohol	3.867	59	1032456	10.705	ppbv	99
18) 1,1-Dichloroethene	3.874	96	490010	10.407	ppbv	97
19) Isopropyl Alcohol	3.565	45	505753	10.060	ppbv	99
20) Methylene Chloride	3.925	84	418541	7.602	ppbv	98
21) Allyl Chloride	3.989	41	695580	10.723	ppbv	100
22) trans-1,2-Dichloroethene	4.439	96	518191	10.628	ppbv	91
23) Vinyl Acetate	4.623	43	305940	9.532	ppbv	98
24) 1,1-Dichloroethane	4.558	63	1029274	10.260	ppbv	98
25) Ethyl Acetate	5.198	43	2065463	10.506	ppbv	100
26) Hexane	5.208	57	872526	10.338	ppbv	99
27) Carbon Disulfide	4.118	76	1203101	11.234	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	921504	10.190	ppbv	100
29) Chloroform	5.272	83	1499811	10.349	ppbv	100
30) Cyclohexane	6.600	84	726744	10.966	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	904794	11.283	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	1499294	11.012	ppbv	99
34) 2-Butanone	4.780	43	1131214	10.294	ppbv	99
35) Carbon Tetrachloride	6.494	117	1549582	11.767	ppbv	99
36) Benzene	6.369	78	1867675	10.773	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1165636	10.751	ppbv	99
38) Trichloroethene	7.295	130	1120192	11.726	ppbv	98
39) 1,2-Dichloropropane	7.076	63	713011	10.573	ppbv	97
40) 1,4-Dioxane	7.288	88	284010	10.528	ppbv	98
41) Tetrahydrofuran	5.552	42	708936	11.133	ppbv	100
42) Bromodichloromethane	7.250	83	1671274	11.168	ppbv	100
43) Methyl Methacrylate	7.475	69	752498	11.731	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3078776	10.639	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	735416	12.924	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	984776	12.423	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	781619	10.715	ppbv	98
48) Dibromochloromethane	9.719	129	1360420	11.660	ppbv	100
49) Bromoform	12.417	173	1083501	11.899	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1904398	11.161	ppbv	100
51) 2-Hexanone	9.555	43	1485156	11.318	ppbv #	99
52) Tetrachloroethene	10.619	164	627604	11.593	ppbv	96
53) Toluene	9.224	91	2140451	11.527	ppbv	99
54) 1,2-Dibromoethane	10.018	107	897019	11.819	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	966587	10.468	ppbv	97
57) Chlorobenzene	11.536	112	1650058	10.267	ppbv	98
58) Ethyl Benzene	12.095	91	2948183	11.031	ppbv	97
59) m/p-Xylene	12.381	91	5119734m	21.627	ppbv	
60) o-Xylene	13.066	91	2448564	10.750	ppbv	100
61) Styrene	12.909	104	1412858	11.814	ppbv	99
62) Isopropylbenzene	14.040	105	3441092	10.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	799685	9.742	ppbv	99
64) n-propylbenzene	14.928	120	871171	10.766	ppbv	97
65) tert-Butylbenzene	16.101	119	2993907	10.534	ppbv	99
66) Benzyl Chloride	16.336	91	215015	11.369	ppbv	99
67) sec-Butylbenzene	16.648	105	4271196	10.479	ppbv	100
69) p-Isopropyltoluene	17.008	119	3412739	10.562	ppbv	100
70) n-Butylbenzene	17.899	91	3673417	10.474	ppbv	100
71) 2-Chlorotoluene	14.812	91	2665142	10.658	ppbv	100
72) 4-Ethyltoluene	15.201	105	2801334	11.125	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2486311	10.612	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	2693887	10.468	ppbv	100
75) 1,3-Dichlorobenzene	16.343	146	1470836	10.443	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	1446007	10.477	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1406562	10.054	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	912641	9.495	ppbv	99
79) Naphthalene	21.394	128	1901107	13.149	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	567610	13.805	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1003108	11.087	ppbv	98

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

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