

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040181.D
 Acq On : 16 Feb 2023 15:37
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Feb 17 03:31:02 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	5.182	49	907983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2306004	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2274446m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1687201	9.021	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	1247280	7.370	ppbv	96
3) Chlorodifluoromethane	2.658	51	1080871	9.965	ppbv	99
4) Chloromethane	2.800	50	699567	10.268	ppbv	95
5) Vinyl Chloride	2.906	62	606447	11.077	ppbv	95
6) Bromomethane	3.108	94	205332	10.391	ppbv	96
7) Chloroethane	3.186	64	224176	10.325	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	1456638	9.989	ppbv	100
9) Propene	2.681	41	470499	10.641	ppbv	99
10) Heptane	7.578	43	1138208	10.816	ppbv	99
11) Trichlorofluoromethane	3.552	101	1471291	9.690	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1086365	9.698	ppbv	100
13) Ethanol	3.231	45	30439m	7.478	ppbv	
14) Bromoethene	3.353	108	456390	10.625	ppbv	100
15) Acetone	3.456	43	1023330	9.361	ppbv	99
16) 1,3-Butadiene	2.970	39	529589	10.608	ppbv	96
17) tert-Butyl alcohol	3.864	59	1062212	10.655	ppbv	100
18) 1,1-Dichloroethene	3.867	96	501936	10.313	ppbv	97
19) Isopropyl Alcohol	3.562	45	508940	9.794	ppbv #	97
20) Methylene Chloride	3.922	84	416240	7.314	ppbv	94
21) Allyl Chloride	3.986	41	739936	11.036	ppbv	97
22) trans-1,2-Dichloroethene	4.436	96	516483	10.248	ppbv	94
23) Vinyl Acetate	4.620	43	344342	10.379	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1035300	9.984	ppbv	99
25) Ethyl Acetate	5.195	43	2144684	10.554	ppbv	100
26) Hexane	5.205	57	905363	10.378	ppbv	99
27) Carbon Disulfide	4.112	76	1261252	11.394	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	972548	10.404	ppbv	100
29) Chloroform	5.269	83	1539588	10.278	ppbv	100
30) Cyclohexane	6.597	84	757623	11.060	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	945486	11.407	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1526040	10.843	ppbv	99
34) 2-Butanone	4.774	43	1150129	10.111	ppbv	98
35) Carbon Tetrachloride	6.488	117	1568550	11.506	ppbv	98
36) Benzene	6.365	78	1948062	10.855	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1174188	10.462	ppbv	100
38) Trichloroethene	7.288	130	1141741	11.546	ppbv	98
39) 1,2-Dichloropropane	7.070	63	734846	10.526	ppbv	99
40) 1,4-Dioxane	7.285	88	293409	10.507	ppbv	98
41) Tetrahydrofuran	5.552	42	753354	11.428	ppbv	99
42) Bromodichloromethane	7.246	83	1711117	11.045	ppbv	100
43) Methyl Methacrylate	7.472	69	775525	11.679	ppbv	99
44) 2,2,4-Trimethylpentane	7.324	57	3170274	10.583	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	751775	12.763	ppbv	99

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Instrument :
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 ClientSampleId :
 VSTDCCC010

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1014615	12.364	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	807103	10.689	ppbv	98
48) Dibromochloromethane	9.709	129	1372331	11.363	ppbv	99
49) Bromoform	12.413	173	1103310	11.704	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	1963572	11.117	ppbv	100
51) 2-Hexanone	9.552	43	1546900	11.388	ppbv	99
52) Tetrachloroethene	10.619	164	649109	11.583	ppbv	99
53) Toluene	9.221	91	2207547	11.485	ppbv	99
54) 1,2-Dibromoethane	10.012	107	904498	11.513	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	977748	10.241	ppbv	98
57) Chlorobenzene	11.529	112	1689334	10.166	ppbv	98
58) Ethyl Benzene	12.089	91	3008538	10.887	ppbv	99
59) m/p-Xylene	12.378	91	5142741m	21.011	ppbv	
60) o-Xylene	13.063	91	2461839	10.453	ppbv	98
61) Styrene	12.899	104	1453972	11.759	ppbv	100
62) Isopropylbenzene	14.034	105	3470612	10.267	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	811465	9.561	ppbv	100
64) n-propylbenzene	14.918	120	876633	10.477	ppbv	96
65) tert-Butylbenzene	16.098	119	3024141	10.291	ppbv	100
66) Benzyl Chloride	16.336	91	212656	10.875	ppbv	99
67) sec-Butylbenzene	16.642	105	4290194	10.180	ppbv	100
69) p-Isopropyltoluene	17.002	119	3442091	10.303	ppbv	100
70) n-Butylbenzene	17.892	91	3719154	10.256	ppbv	100
71) 2-Chlorotoluene	14.806	91	2707297	10.471	ppbv	100
72) 4-Ethyltoluene	15.195	105	2822605	10.842	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2514830	10.381	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	2707691	10.176	ppbv	97
75) 1,3-Dichlorobenzene	16.336	146	1480859	10.169	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1443374	10.115	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1424911	9.851	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	917338m	9.231	ppbv	
79) Naphthalene	21.391	128	1911105	12.784	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	575362	13.534	ppbv	99
81) 1,2,4-Trichlorobenzene	21.143	180	1013012	10.829	ppbv	98

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

