

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110222\
 Data File : VL039816.D
 Acq On : 2 Nov 2022 14:35
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 02 15:08:48 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 02 11:28:32 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/03/2022
 Supervised By : Mahesh Dadoda 11/03/2022

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

Internal Standards						
1) Bromochloromethane	5.189	49	990270	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2776596	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2667003	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 1967234 10.369 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	2308269	22.262	ppbv	99
3) Chlorodifluoromethane	2.687	51	1684814	14.163	ppbv	98
4) Chloromethane	2.825	50	1069755	14.365	ppbv	97
5) Vinyl Chloride	2.932	62	904717	14.648	ppbv	99
6) Bromomethane	3.128	94	315470m	14.217	ppbv	
7) Chloroethane	3.208	64	322640	14.546	ppbv	100
8) Dichlorotetrafluoroethane	2.867	85	2064131	15.249	ppbv	97
9) Propene	2.706	41	863542	16.896	ppbv	100
10) Heptane	7.574	43	2123710	17.356	ppbv	100
11) Trichlorofluoromethane	3.571	101	1981926	13.680	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1436691	12.788	ppbv	100
13) Ethanol	3.250	45	53197	14.492	ppbv	96
14) Bromoethene	3.375	108	636275m	14.271	ppbv	
15) Acetone	3.475	43	1521829	12.866	ppbv	99
16) 1,3-Butadiene	2.996	39	863755	14.775	ppbv	95
17) tert-Butyl alcohol	3.886	59	1686025	17.477	ppbv	99
18) 1,1-Dichloroethene	3.886	96	658178	13.313	ppbv	98
19) Isopropyl Alcohol	3.581	45	885681	15.982	ppbv	98
20) Methylene Chloride	3.938	84	571354	12.697	ppbv	99
21) Allyl Chloride	4.002	41	1127720	14.731	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	707717	13.781	ppbv	96
23) Vinyl Acetate	4.629	43	689097	15.114	ppbv #	97
24) 1,1-Dichloroethane	4.565	63	1450035	13.656	ppbv	99
25) Ethyl Acetate	5.205	43	3607399	15.600	ppbv	99
26) Hexane	5.211	57	1577326	16.404	ppbv	98
27) Carbon Disulfide	4.128	76	1806369	15.826	ppbv	98
28) Methyl tert-Butyl Ether	4.591	73	1477243	17.658	ppbv	99
29) Chloroform	5.276	83	2329950	15.414	ppbv	98
30) Cyclohexane	6.594	84	1343251	17.048	ppbv	98
31) cis-1,2-Dichloroethene	5.079	61	1558212	16.789	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	2343384	17.080	ppbv	99
34) 2-Butanone	4.790	43	1702444	13.033	ppbv	99
35) Carbon Tetrachloride	6.488	117	2415077	15.256	ppbv	99
36) Benzene	6.365	78	3389737	15.852	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1732400	14.918	ppbv	100
38) Trichloroethene	7.285	130	1781975	14.762	ppbv	99
39) 1,2-Dichloropropane	7.070	63	1304901	15.840	ppbv	98
40) 1,4-Dioxane	7.275	88	514153m	18.311	ppbv	
41) Tetrahydrofuran	5.555	42	1411348	17.390	ppbv	99
42) Bromodichloromethane	7.240	83	2608693	15.951	ppbv	97
43) Methyl Methacrylate	7.468	69	1380152	18.534	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	5448506	15.241	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	1454948	22.998	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1870487	20.604	ppbv	99
47) 1,1,2-Trichloroethane	8.890	97	1346595	15.267	ppbv	98
48) Dibromochloromethane	9.697	129	2337977	16.465	ppbv	100
49) Bromoform	12.394	173	1886674	16.313	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	3438019	16.775	ppbv	100
51) 2-Hexanone	9.542	43	2768877	18.454	ppbv #	99
52) Tetrachloroethene	10.603	164	1165654	14.552	ppbv	96
53) Toluene	9.208	91	3837205	17.128	ppbv	100
54) 1,2-Dibromoethane	9.996	107	1616645	18.055	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.494	131	1593141	14.117	ppbv	98
57) Chlorobenzene	11.516	112	2811427	13.742	ppbv	97
58) Ethyl Benzene	12.079	91	5053450	16.633	ppbv	98
59) m/p-Xylene	12.362	91	8148820m	29.715	ppbv	
60) o-Xylene	13.047	91	3936374	15.309	ppbv	100
61) Styrene	12.886	104	2617710	19.384	ppbv	99
62) Isopropylbenzene	14.018	105	5628888	14.329	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1432356	13.244	ppbv	99
64) n-propylbenzene	14.909	120	1559569	15.678	ppbv	97
65) tert-Butylbenzene	16.082	119	4808841	14.048	ppbv	100
66) Benzyl Chloride	16.314	91	649768	26.759	ppbv	98
67) sec-Butylbenzene	16.626	105	6703972	13.904	ppbv	100
69) p-Isopropyltoluene	16.986	119	5541121	14.206	ppbv	99
70) n-Butylbenzene	17.876	91	5545067	14.867	ppbv	100
71) 2-Chlorotoluene	14.790	91	4292907	15.734	ppbv	99
72) 4-Ethyltoluene	15.185	105	4573232	15.440	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	4050871	15.282	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	4142558	13.799	ppbv	99
75) 1,3-Dichlorobenzene	16.320	146	2491269	13.673	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	2443836	14.064	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	2360003	13.583	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1470727	11.107	ppbv	99
79) Naphthalene	21.368	128	3164072	17.235	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	1373626	22.035	ppbv	98
81) 1,2,4-Trichlorobenzene	21.130	180	1658234	13.667	ppbv	100

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

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