

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039868.D
 Acq On : 10 Nov 2022 17:56
 Operator : SY/AP
 Sample : VL1110ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Quant Time: Nov 11 05:01:17 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 : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

Manual Integrations

APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.195	49	1037933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2285938	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.458	117	2270026	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1864229 10.972 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1808743	10.322	ppbv	99
3) Chlorodifluoromethane	2.693	51	1194148	9.651	ppbv	95
4) Chloromethane	2.829	50	663540	8.612	ppbv	98
5) Vinyl Chloride	2.935	62	562342	9.015	ppbv	100
6) Bromomethane	3.134	94	196125	8.814	ppbv	93
7) Chloroethane	3.214	64	196259	8.396	ppbv	95
8) Dichlorotetrafluoroethane	2.874	85	1391423	9.317	ppbv	91
9) Propene	2.710	41	499839	7.753	ppbv	98
10) Heptane	7.574	43	1271434	8.232	ppbv	100
11) Trichlorofluoromethane	3.574	101	1479378	10.351	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1019849	9.881	ppbv	95
13) Ethanol	3.256	45	27645m	6.067	ppbv	
14) Bromoethene	3.378	108	412512	8.925	ppbv	96
15) Acetone	3.481	43	936721	7.414	ppbv	96
16) 1,3-Butadiene	3.002	39	535534	9.115	ppbv	93
17) tert-Butyl alcohol	3.886	59	868650m	7.220	ppbv	
18) 1,1-Dichloroethene	3.890	96	450277	9.514	ppbv	94
19) Isopropyl Alcohol	3.591	45	455896	7.291	ppbv	# 34
20) Methylene Chloride	3.941	84	377875	8.361	ppbv	96
21) Allyl Chloride	4.005	41	647754	8.106	ppbv	98
22) trans-1,2-Dichloroethene	4.449	96	459950	9.576	ppbv	89
23) Vinyl Acetate	4.632	43	374121m	7.433	ppbv	
24) 1,1-Dichloroethane	4.571	63	926826	9.015	ppbv	99
25) Ethyl Acetate	5.205	43	2232251	8.578	ppbv	99
26) Hexane	5.214	57	921081	7.938	ppbv	94
27) Carbon Disulfide	4.131	76	1124738	9.231	ppbv	97
28) Methyl tert-Butyl Ether	4.594	73	857317	8.163	ppbv	98
29) Chloroform	5.279	83	1550290	9.502	ppbv	98
30) Cyclohexane	6.600	84	735061	7.576	ppbv	92
31) cis-1,2-Dichloroethene	5.082	61	1001512	9.466	ppbv	92
32) 1,1,1-Trichloroethane	6.002	97	1530730	9.425	ppbv	95
34) 2-Butanone	4.790	43	1044155	11.072	ppbv	99
35) Carbon Tetrachloride	6.491	117	1548187	11.619	ppbv	98
36) Benzene	6.365	78	1914174	9.927	ppbv	# 96
37) 1,2-Dichloroethane	5.806	62	1315304	14.217	ppbv	# 94
38) Trichloroethene	7.285	130	1021134	9.893	ppbv	91
39) 1,2-Dichloropropane	7.069	63	781234	10.398	ppbv	# 91
40) 1,4-Dioxane	7.282	88	259968	9.036	ppbv	# 1
41) Tetrahydrofuran	5.555	42	826192	10.483	ppbv	96
42) Bromodichloromethane	7.240	83	1729432	11.704	ppbv	99
43) Methyl Methacrylate	7.471	69	804735	10.560	ppbv	92
44) 2,2,4-Trimethylpentane	7.320	57	3364332	10.337	ppbv	97
45) t-1,3-Dichloropropene	8.703	75	763338	10.457	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1035210	10.389	ppbv	94
47) 1,1,2-Trichloroethane	8.889	97	754023	9.911	ppbv	96
48) Dibromochloromethane	9.696	129	1357535	10.472	ppbv	99
49) Bromoform	12.394	173	1074130	10.309	ppbv	100
50) 4-Methyl-2-Pentanone	8.176	43	2110216	10.930	ppbv	98
51) 2-Hexanone	9.545	43	1643150	10.915	ppbv #	98
52) Tetrachloroethene	10.603	164	630659	8.730	ppbv	96
53) Toluene	9.211	91	2126380	9.612	ppbv	98
54) 1,2-Dibromoethane	9.999	107	908970	10.766	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	901687	9.291	ppbv	97
57) Chlorobenzene	11.516	112	1553345	9.021	ppbv	90
58) Ethyl Benzene	12.076	91	2928983	9.543	ppbv	95
59) m/p-Xylene	12.365	91	4983239m	19.450	ppbv	
60) o-Xylene	13.047	91	2413111	9.941	ppbv	94
61) Styrene	12.886	104	1376149	9.213	ppbv	94
62) Isopropylbenzene	14.018	105	3356737	9.480	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.034	83	882336	9.761	ppbv	99
64) n-propylbenzene	14.902	120	840496	8.873	ppbv	76
65) tert-Butylbenzene	16.079	119	2901455	9.332	ppbv	90
66) Benzyl Chloride	16.317	91	158258m	4.378	ppbv	
67) sec-Butylbenzene	16.625	105	4177059	9.870	ppbv	96
69) p-Isopropyltoluene	16.989	119	3249630	9.257	ppbv	95
70) n-Butylbenzene	17.876	91	3587669	10.571	ppbv	96
71) 2-Chlorotoluene	14.789	91	2670861	10.039	ppbv	93
72) 4-Ethyltoluene	15.182	105	2687930	9.834	ppbv	95
73) 1,3,5-Trimethylbenzene	15.342	105	2418492	9.981	ppbv	91
74) 1,2,4-Trimethylbenzene	16.098	105	2572086	9.991	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	1416540	9.424	ppbv	98
76) 1,4-Dichlorobenzene	16.458	146	1363651	9.245	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1368332	9.657	ppbv	98
78) Hexachloro-1,3-Butadiene	22.619	225	818606	7.797	ppbv	99
79) Naphthalene	21.368	128	1649285	8.812	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	452421	5.701	ppbv #	94
81) 1,2,4-Trichlorobenzene	21.127	180	912237	8.713	ppbv	98

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

