

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039362.D
 Acq On : 27 Jun 2022 15:56
 Operator : SY/AP
 Sample : VL0627ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01

Quant Time: Jun 28 02:38:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/29/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.671	49	1158395	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3210642	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3091882m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	2408443	9.422	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	1732964	8.517	ppbv	100
3) Chlorodifluoromethane	2.993	51	1416947	9.614	ppbv	99
4) Chloromethane	3.144	50	773435	10.216	ppbv	97
5) Vinyl Chloride	3.263	62	759168	10.727	ppbv	96
6) Bromomethane	3.478	94	332442	9.548	ppbv	95
7) Chloroethane	3.562	64	280698	11.382	ppbv	100
8) Dichlorotetrafluoroethane	3.192	85	1885109	10.138	ppbv	95
9) Propene	3.015	41	601900	9.365	ppbv	99
10) Heptane	8.127	43	1623510	10.829	ppbv	99
11) Trichlorofluoromethane	3.954	101	1916045	10.403	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.491	101	1397954	11.478	ppbv	100
13) Ethanol	3.607	45	38719	11.047	ppbv #	100
14) Bromoethene	3.745	108	593868	10.846	ppbv	99
15) Acetone	3.851	43	1378120	11.421	ppbv	96
16) 1,3-Butadiene	3.330	39	746997	11.516	ppbv	94
17) tert-Butyl alcohol	4.285	59	1192542	12.741	ppbv	99
18) 1,1-Dichloroethene	4.295	96	636962	11.658	ppbv	87
19) Isopropyl Alcohol	3.964	45	689769	12.188	ppbv #	97
20) Methylene Chloride	4.349	84	535492	10.531	ppbv	93
21) Allyl Chloride	4.414	41	965702	11.864	ppbv	98
22) trans-1,2-Dichloroethene	4.890	96	628359	11.953	ppbv	96
23) Vinyl Acetate	5.076	43	1105447	11.072	ppbv	98
24) 1,1-Dichloroethane	5.015	63	1426165	10.426	ppbv	99
25) Ethyl Acetate	5.677	43	2893769	10.640	ppbv	100
26) Hexane	5.690	57	1239591	10.372	ppbv	97
27) Carbon Disulfide	4.555	76	1544841	12.471	ppbv	100
28) Methyl tert-Butyl Ether	5.037	73	1345143	10.195	ppbv	99
29) Chloroform	5.758	83	1987910	9.884	ppbv	99
30) Cyclohexane	7.137	84	1092148	10.878	ppbv	95
31) cis-1,2-Dichloroethene	5.552	61	1244306	10.210	ppbv	95
32) 1,1,1-Trichloroethane	6.513	97	2000354	10.165	ppbv	98
34) 2-Butanone	5.246	43	1694387	9.714	ppbv	100
35) Carbon Tetrachloride	7.021	117	2158419	9.211	ppbv	99
36) Benzene	6.896	78	2570781	9.863	ppbv	97
37) 1,2-Dichloroethane	6.311	62	1539257	8.973	ppbv	97
38) Trichloroethene	7.841	130	1332456	11.129	ppbv	98
39) 1,2-Dichloropropane	7.619	63	947195	9.136	ppbv	95
40) 1,4-Dioxane	7.832	88	343370	10.060	ppbv #	1
41) Tetrahydrofuran	6.050	42	986827	9.407	ppbv	100
42) Bromodichloromethane	7.796	83	2150027	9.031	ppbv	98
43) Methyl Methacrylate	8.015	69	1032289	10.167	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	4339817	9.517	ppbv	98
45) t-1,3-Dichloropropene	9.282	75	1033868	9.777	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1334578	9.554	ppbv	96
47) 1,1,2-Trichloroethane	9.481	97	1073301	9.923	ppbv	98
48) Dibromochloromethane	10.307	129	1918136	9.932	ppbv	99
49) Bromoform	13.044	173	1582408	9.831	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	2634277	10.089	ppbv	99
51) 2-Hexanone	10.134	43	2005126	9.869	ppbv #	98
52) Tetrachloroethene	11.227	164	1003357	9.859	ppbv	96
53) Toluene	9.809	91	3086647	10.284	ppbv	100
54) 1,2-Dibromoethane	10.613	107	1442893	9.927	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.127	131	1415704	9.677	ppbv	96
57) Chlorobenzene	12.150	112	2371780	10.195	ppbv	94
58) Ethyl Benzene	12.712	91	4215474	9.898	ppbv	99
59) m/p-Xylene	12.995	91	7217277m	19.244	ppbv	
60) o-Xylene	13.693	91	3505395	9.947	ppbv	100
61) Styrene	13.526	104	2034136	10.779	ppbv	96
62) Isopropylbenzene	14.667	105	5164154	9.859	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	1743191	8.812	ppbv	100
64) n-propylbenzene	15.561	120	1349281	10.479	ppbv	89
65) tert-Butylbenzene	16.744	119	4714638	9.843	ppbv	96
66) Benzyl Chloride	16.992	91	481723	7.735	ppbv	98
67) sec-Butylbenzene	17.294	105	6481357	9.918	ppbv	99
69) p-Isopropyltoluene	17.651	119	5532174	10.034	ppbv	98
70) n-Butylbenzene	18.548	91	5492194	9.704	ppbv	98
71) 2-Chlorotoluene	15.455	91	3767040	9.431	ppbv	97
72) 4-Ethyltoluene	15.838	105	4250725	10.291	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	3847585	10.328	ppbv	99
74) 1,2,4-Trimethylbenzene	16.764	105	4143711	9.967	ppbv #	90
75) 1,3-Dichlorobenzene	16.995	146	2373583	10.087	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	2337135	9.955	ppbv	99
77) 1,2-Dichlorobenzene	17.818	146	2342212	9.876	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1748777	8.064	ppbv	99
79) Naphthalene	22.194	128	3440649	10.751	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	1096305	9.220	ppbv	97
81) 1,2,4-Trichlorobenzene	21.921	180	1981819	9.775	ppbv #	100

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

