

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039280.D
 Acq On : 14 Jun 2022 13:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/16/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 15 03:18:46 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 15 03:18:46 2022

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1261350	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3473240	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	3410125m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 2704237 9.592 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1860288	8.397	ppbv	99
3) Chlorodifluoromethane	2.996	51	1345716	8.385	ppbv	100
4) Chloromethane	3.147	50	707227	8.579	ppbv	99
5) Vinyl Chloride	3.263	62	711476	9.232	ppbv	95
6) Bromomethane	3.478	94	335656	8.854	ppbv	99
7) Chloroethane	3.562	64	262748	9.785	ppbv	94
8) Dichlorotetrafluoroethane	3.192	85	1837619	9.076	ppbv	97
9) Propene	3.015	41	561677	8.026	ppbv	99
10) Heptane	8.124	43	1492767	9.144	ppbv	98
11) Trichlorofluoromethane	3.957	101	1818689	9.069	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.488	101	1308020	9.863	ppbv	98
13) Ethanol	3.610	45	41551m	10.887	ppbv	
14) Bromoethene	3.745	108	570501	9.569	ppbv	97
15) Acetone	3.851	43	1301941	9.909	ppbv	95
16) 1,3-Butadiene	3.333	39	713361	10.100	ppbv	94
17) tert-Butyl alcohol	4.285	59	1130347	11.091	ppbv	98
18) 1,1-Dichloroethene	4.295	96	607789	10.216	ppbv	85
19) Isopropyl Alcohol	3.964	45	677367	10.991	ppbv	99
20) Methylene Chloride	4.349	84	499407	9.019	ppbv	94
21) Allyl Chloride	4.417	41	942939	10.638	ppbv	98
22) trans-1,2-Dichloroethene	4.890	96	631150	11.026	ppbv	93
23) Vinyl Acetate	5.076	43	1008795	9.280	ppbv	100
24) 1,1-Dichloroethane	5.015	63	1234070	8.285	ppbv	99
25) Ethyl Acetate	5.677	43	2711367	9.156	ppbv	99
26) Hexane	5.690	57	1130125	8.684	ppbv	95
27) Carbon Disulfide	4.555	76	1435376	10.642	ppbv	98
28) Methyl tert-Butyl Ether	5.034	73	1107119	7.706	ppbv	98
29) Chloroform	5.754	83	1889617	8.629	ppbv	97
30) Cyclohexane	7.137	84	987974	9.037	ppbv	98
31) cis-1,2-Dichloroethene	5.552	61	1160303	8.744	ppbv	96
32) 1,1,1-Trichloroethane	6.516	97	1912109	8.923	ppbv	99
34) 2-Butanone	5.246	43	1598990	8.474	ppbv	100
35) Carbon Tetrachloride	7.025	117	2066481	8.152	ppbv	98
36) Benzene	6.896	78	2386967	8.465	ppbv	98
37) 1,2-Dichloroethane	6.311	62	1473822	7.942	ppbv	98
38) Trichloroethene	7.838	130	1248631	9.641	ppbv	96
39) 1,2-Dichloropropane	7.613	63	887516	7.913	ppbv	99
40) 1,4-Dioxane	7.832	88	330250	8.944	ppbv #	1
41) Tetrahydrofuran	6.050	42	912300	8.039	ppbv	99
42) Bromodichloromethane	7.793	83	2029506	7.880	ppbv	100
43) Methyl Methacrylate	8.015	69	951662	8.664	ppbv	98
44) 2,2,4-Trimethylpentane	7.870	57	4001054	8.111	ppbv	97
45) t-1,3-Dichloropropene	9.282	75	958165	8.376	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1239505	8.203	ppbv	98
47) 1,1,2-Trichloroethane	9.475	97	1002804	8.570	ppbv	97
48) Dibromochloromethane	10.304	129	1838795	8.801	ppbv	98
49) Bromoform	13.040	173	1524004	8.753	ppbv	98
50) 4-Methyl-2-Pentanone	8.741	43	2498714	8.847	ppbv	98
51) 2-Hexanone	10.131	43	1907535	8.679	ppbv #	96
52) Tetrachloroethene	11.224	164	936176	8.503	ppbv	98
53) Toluene	9.806	91	2887944	8.894	ppbv	99
54) 1,2-Dibromoethane	10.613	107	1361468	8.659	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.127	131	1326960	8.224	ppbv	99
57) Chlorobenzene	12.150	112	2197616	8.565	ppbv	94
58) Ethyl Benzene	12.709	91	3913725	8.332	ppbv	98
59) m/p-Xylene	12.999	91	6746771m	16.310	ppbv	
60) o-Xylene	13.693	91	3247387	8.355	ppbv	99
61) Styrene	13.529	104	1908479	9.169	ppbv	96
62) Isopropylbenzene	14.667	105	4866370	8.424	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.674	83	1608653	7.373	ppbv	99
64) n-propylbenzene	15.561	120	1278815	9.005	ppbv	89
65) tert-Butylbenzene	16.741	119	4483611	8.487	ppbv	97
66) Benzyl Chloride	16.986	91	446969	6.507	ppbv	100
67) sec-Butylbenzene	17.291	105	6112038	8.480	ppbv	99
69) p-Isopropyltoluene	17.651	119	5289195	8.698	ppbv	98
70) n-Butylbenzene	18.548	91	5178912	8.297	ppbv	98
71) 2-Chlorotoluene	15.452	91	3555824	8.071	ppbv	97
72) 4-Ethyltoluene	15.838	105	4000848	8.783	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	3619528	8.809	ppbv	99
74) 1,2,4-Trimethylbenzene	16.760	105	3915599	8.540	ppbv	95
75) 1,3-Dichlorobenzene	16.992	146	2268777	8.742	ppbv	99
76) 1,4-Dichlorobenzene	17.133	146	2200129	8.497	ppbv	100
77) 1,2-Dichlorobenzene	17.818	146	2201637	8.417	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1680850	7.027	ppbv	99
79) Naphthalene	22.191	128	3226466	9.141	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	966088	7.367	ppbv	97
81) 1,2,4-Trichlorobenzene	21.921	180	1889613	8.450	ppbv #	100

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

