

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039278.D
 Acq On : 14 Jun 2022 9:20
 Operator : SY/AP
 Sample : VL0613ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Jun 14 09:56:50 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 09:56:50 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	1150622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	2584840	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2413362m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 2406477 12.061 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 120.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	2215549	10.963	ppbv	98
3) Chlorodifluoromethane	2.993	51	1486376	10.153	ppbv	93
4) Chloromethane	3.147	50	727341	9.672	ppbv	98
5) Vinyl Chloride	3.259	62	793972	11.294	ppbv	97
6) Bromomethane	3.478	94	378224	10.937	ppbv	97
7) Chloroethane	3.562	64	308929	12.611	ppbv	97
8) Dichlorotetrafluoroethane	3.192	85	2137463	11.572	ppbv	97
9) Propene	3.015	41	459795	7.203	ppbv	96
10) Heptane	8.124	43	1309488	8.793	ppbv	99
11) Trichlorofluoromethane	3.954	101	2496345	13.646	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.491	101	1726920	14.274	ppbv	97
13) Ethanol	3.604	45	38770m	11.136	ppbv	
14) Bromoethene	3.745	108	677366	12.454	ppbv #	98
15) Acetone	3.851	43	1537321	12.826	ppbv	96
16) 1,3-Butadiene	3.330	39	747203	11.597	ppbv	99
17) tert-Butyl alcohol	4.285	59	1375475	14.795	ppbv	100
18) 1,1-Dichloroethene	4.295	96	736826	13.577	ppbv	84
19) Isopropyl Alcohol	3.960	45	747126	13.290	ppbv	99
20) Methylene Chloride	4.346	84	601587	11.910	ppbv	94
21) Allyl Chloride	4.414	41	1065925	13.183	ppbv	94
22) trans-1,2-Dichloroethene	4.886	96	779684	14.932	ppbv	99
23) Vinyl Acetate	5.076	43	1151280	11.609	ppbv	97
24) 1,1-Dichloroethane	5.012	63	1519163	11.181	ppbv	99
25) Ethyl Acetate	5.674	43	2625652	9.719	ppbv	98
26) Hexane	5.690	57	1067859	8.995	ppbv	91
27) Carbon Disulfide	4.555	76	1806001	14.678	ppbv	99
28) Methyl tert-Butyl Ether	5.038	73	1388237	10.593	ppbv	100
29) Chloroform	5.755	83	2071185	10.368	ppbv	97
30) Cyclohexane	7.134	84	823729	8.260	ppbv	94
31) cis-1,2-Dichloroethene	5.552	61	1196241	9.882	ppbv	90
32) 1,1,1-Trichloroethane	6.513	97	2230094	11.409	ppbv	99
34) 2-Butanone	5.243	43	1571356	11.190	ppbv	97
35) Carbon Tetrachloride	7.021	117	2443477	12.952	ppbv	98
36) Benzene	6.893	78	2018976	9.621	ppbv #	93
37) 1,2-Dichloroethane	6.311	62	1806627	13.081	ppbv #	96
38) Trichloroethene	7.838	130	1063132	11.030	ppbv	94
39) 1,2-Dichloropropane	7.613	63	780212	9.347	ppbv #	83
40) 1,4-Dioxane	7.832	88	265575	9.664	ppbv #	1
41) Tetrahydrofuran	6.050	42	748486	8.862	ppbv	95
42) Bromodichloromethane	7.793	83	2274628	11.867	ppbv	96
43) Methyl Methacrylate	8.012	69	887501	10.857	ppbv	97
44) 2,2,4-Trimethylpentane	7.870	57	3533415	9.625	ppbv #	94
45) t-1,3-Dichloropropene	9.279	75	995353	11.692	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1209121	10.752	ppbv	89
47) 1,1,2-Trichloroethane	9.475	97	887027	10.186	ppbv	98
48) Dibromochloromethane	10.304	129	1830699	11.774	ppbv	99
49) Bromoform	13.037	173	1504576	11.611	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2270013	10.799	ppbv	98
51) 2-Hexanone	10.131	43	1790882	10.949	ppbv #	93
52) Tetrachloroethene	11.221	164	771233	9.413	ppbv	91
53) Toluene	9.806	91	2420165	10.015	ppbv	97
54) 1,2-Dibromoethane	10.610	107	1259608	10.764	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.127	131	1297748m	11.364	ppbv	
57) Chlorobenzene	12.147	112	1834349	10.102	ppbv	97
58) Ethyl Benzene	12.706	91	3449367	10.376	ppbv	96
59) m/p-Xylene	12.995	91	6440617m	22.001	ppbv	
60) o-Xylene	13.690	91	3206273	11.656	ppbv	96
61) Styrene	13.526	104	1611272	10.939	ppbv	95
62) Isopropylbenzene	14.664	105	4545335	11.118	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.674	83	1620639	10.496	ppbv	100
64) n-propylbenzene	15.561	120	1127531	11.219	ppbv	92
65) tert-Butylbenzene	16.741	119	4392265	11.748	ppbv	94
66) Benzyl Chloride	16.982	91	526653	10.834	ppbv	96
67) sec-Butylbenzene	17.291	105	6022109	11.806	ppbv	99
69) p-Isopropyltoluene	17.648	119	5085326	11.816	ppbv	96
70) n-Butylbenzene	18.545	91	5449045	12.335	ppbv	98
71) 2-Chlorotoluene	15.449	91	3541063	11.358	ppbv	96
72) 4-Ethyltoluene	15.835	105	3791020	11.759	ppbv	96
73) 1,3,5-Trimethylbenzene	15.995	105	3479585	11.966	ppbv	95
74) 1,2,4-Trimethylbenzene	16.757	105	3922818	12.089	ppbv	96
75) 1,3-Dichlorobenzene	16.989	146	2077551	11.311	ppbv	98
76) 1,4-Dichlorobenzene	17.137	146	1998170	10.904	ppbv	97
77) 1,2-Dichlorobenzene	17.812	146	2057549	11.115	ppbv	97
78) Hexachloro-1,3-Butadiene	23.368	225	1796569	10.613	ppbv	99
79) Naphthalene	22.188	128	3021696	12.096	ppbv	98
80) Naphthalene,2-methyl-	24.963	142	894801	9.641	ppbv	96
81) 1,2,4-Trichlorobenzene	21.918	180	1790767	11.316	ppbv #	100

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

Manual Integrations

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