

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039245.D
 Acq On : 8 Jun 2022 21:44
 Operator : SY/AP
 Sample : N3214-14 0.5LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

Quant Time: Jun 09 06:43:29 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 09 06:43:29 2022

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/09/2022
 Supervised By :Mahesh Dadoda 06/09/2022

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

Internal Standards						
1) Bromochloromethane	5.677	49	949801	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	2201061	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	1894785	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 1736534 11.086 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.900%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.060	85	130049m	0.780	ppbv	
3) Chlorodifluoromethane	3.002	51	75367	0.624	ppbv	93
4) Chloromethane	3.153	50	33052	0.532	ppbv #	86
5) Vinyl Chloride	3.263	62	34455m	0.594	ppbv	
6) Bromomethane	3.491	94	21105m	0.739	ppbv	
7) Chloroethane	3.568	64	13041	0.645	ppbv	99
8) Dichlorotetrafluoroethane	3.198	85	101865	0.668	ppbv	93
9) Propene	3.018	41	24641m	0.468	ppbv	
10) Heptane	8.137	43	49497m	0.403	ppbv	
11) Trichlorofluoromethane	3.964	101	119455	0.791	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.497	101	82458	0.826	ppbv	92
13) Ethanol	3.639	45	2901m	1.009	ppbv	
14) Bromoethene	3.751	108	30160m	0.672	ppbv	
15) Acetone	3.877	43	80503m	0.814	ppbv	
16) 1,3-Butadiene	3.340	39	34402m	0.647	ppbv	
17) tert-Butyl alcohol	4.314	59	62532m	0.815	ppbv	
18) 1,1-Dichloroethene	4.298	96	31019	0.692	ppbv	94
19) Isopropyl Alcohol	3.996	45	28801m	0.621	ppbv	
20) Methylene Chloride	4.356	84	38910m	0.933	ppbv	
21) Allyl Chloride	4.420	41	45959m	0.689	ppbv	
22) trans-1,2-Dichloroethene	4.899	96	31588	0.733	ppbv	83
23) Vinyl Acetate	5.089	43	38041	0.465	ppbv	97
24) 1,1-Dichloroethane	5.018	63	74390	0.663	ppbv	100
25) Ethyl Acetate	5.690	43	100477	0.451	ppbv	98
26) Hexane	5.697	57	44521m	0.454	ppbv	
27) Carbon Disulfide	4.565	76	60919	0.600	ppbv #	87
28) Methyl tert-Butyl Ether	5.050	73	60141	0.556	ppbv	96
29) Chloroform	5.764	83	95931m	0.582	ppbv	
30) Cyclohexane	7.147	84	37188m	0.452	ppbv	
31) cis-1,2-Dichloroethene	5.558	61	50977m	0.510	ppbv	
32) 1,1,1-Trichloroethane	6.520	97	90115	0.558	ppbv	96
34) 2-Butanone	5.266	43	67882m	0.568	ppbv	
35) Carbon Tetrachloride	7.034	117	99025m	0.616	ppbv	
36) Benzene	6.906	78	82584m	0.462	ppbv	
37) 1,2-Dichloroethane	6.314	62	76843m	0.653	ppbv	
38) Trichloroethene	7.844	130	40572m	0.494	ppbv	
39) 1,2-Dichloropropane	7.626	63	31555	0.444	ppbv #	84
40) 1,4-Dioxane	7.877	88	12045m	0.515	ppbv	
41) Tetrahydrofuran	6.086	42	31586m	0.439	ppbv	
42) Bromodichloromethane	7.796	83	84717	0.519	ppbv #	93
43) Methyl Methacrylate	8.031	69	29941m	0.430	ppbv	
44) 2,2,4-Trimethylpentane	7.880	57	139949	0.448	ppbv #	85
45) t-1,3-Dichloropropene	9.285	75	29388m	0.405	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.713	75	40592m	0.424	ppbv	
47) 1,1,2-Trichloroethane	9.478	97	35712	0.482	ppbv #	85
48) Dibromochloromethane	10.314	129	59473	0.449	ppbv	98
49) Bromoform	13.047	173	47488m	0.430	ppbv	
50) 4-Methyl-2-Pentanone	8.767	43	81524m	0.455	ppbv	
51) 2-Hexanone	10.166	43	55552m	0.399	ppbv	
52) Tetrachloroethene	11.237	164	30652m	0.439	ppbv	
53) Toluene	9.815	91	87930m	0.427	ppbv	
54) 1,2-Dibromoethane	10.616	107	47690	0.479	ppbv	90
56) 1,1,1,2-Tetrachloroethane	12.134	131	50131m	0.559	ppbv	
57) Chlorobenzene	12.156	112	74426	0.522	ppbv #	87
58) Ethyl Benzene	12.722	91	128718m	0.493	ppbv	
59) m/p-Xylene	13.002	91	243615m	1.060	ppbv	
60) o-Xylene	13.700	91	117197	0.543	ppbv	93
61) Styrene	13.536	104	51264m	0.443	ppbv	
62) Isopropylbenzene	14.674	105	172405m	0.537	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.677	83	63521m	0.524	ppbv	
64) n-propylbenzene	15.571	120	38187m	0.484	ppbv	
65) tert-Butylbenzene	16.748	119	147733m	0.503	ppbv	
66) Benzyl Chloride	16.998	91	18821m	0.493	ppbv	
67) sec-Butylbenzene	17.301	105	205801	0.514	ppbv	97
69) p-Isopropyltoluene	17.654	119	170743m	0.505	ppbv	
70) n-Butylbenzene	18.558	91	186450m	0.538	ppbv	
71) 2-Chlorotoluene	15.461	91	133827m	0.547	ppbv	
72) 4-Ethyltoluene	15.851	105	125687m	0.497	ppbv	
73) 1,3,5-Trimethylbenzene	16.005	105	117237	0.514	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.764	105	131496	0.516	ppbv #	92
75) 1,3-Dichlorobenzene	16.998	146	78576m	0.545	ppbv	
76) 1,4-Dichlorobenzene	17.143	146	72427m	0.503	ppbv	
77) 1,2-Dichlorobenzene	17.825	146	67862	0.467	ppbv	88
78) Hexachloro-1,3-Butadiene	23.384	225	76968m	0.579	ppbv	
79) Naphthalene	22.210	128	74840m	0.382	ppbv	
80) Naphthalene,2-methyl-	24.969	142	14273m	0.196	ppbv	
81) 1,2,4-Trichlorobenzene	21.924	180	48653m	0.392	ppbv	

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

