

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039599.D
 Acq On : 26 Aug 2022 11:52
 Operator : SY/AP
 Sample : N3980-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 27 00:04:14 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/29/2022
 Supervised By : Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.208	49	915493	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2474595	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2172209	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1625235	9.917	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	93416	0.767	ppbv	99
3) Chlorodifluoromethane	2.697	51	60325	0.553	ppbv	98
4) Chloromethane	2.838	50	37106	0.565	ppbv #	85
5) Vinyl Chloride	2.944	62	29908	0.564	ppbv	97
6) Bromomethane	3.144	94	12499m	0.556	ppbv	
7) Chloroethane	3.218	64	13032m	0.656	ppbv	
8) Dichlorotetrafluoroethane	2.877	85	78979	0.606	ppbv	98
9) Propene	2.722	41	30011	0.601	ppbv	94
10) Heptane	7.590	43	50841	0.440	ppbv	96
11) Trichlorofluoromethane	3.584	101	75181	0.562	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.083	101	56126	0.568	ppbv	100
13) Ethanol	3.269	45	4455m	1.242	ppbv	
14) Bromoethene	3.391	108	21292	0.527	ppbv #	89
15) Acetone	3.497	43	61622	0.601	ppbv	90
16) 1,3-Butadiene	3.005	39	27842	0.520	ppbv	96
17) tert-Butyl alcohol	3.919	59	47764m	0.546	ppbv	
18) 1,1-Dichloroethene	3.899	96	22801m	0.512	ppbv	
19) Isopropyl Alcohol	3.607	45	29963m	0.601	ppbv	
20) Methylene Chloride	3.954	84	34805	0.835	ppbv	99
21) Allyl Chloride	4.018	41	29037	0.435	ppbv #	73
22) trans-1,2-Dichloroethene	4.462	96	26794m	0.605	ppbv	
23) Vinyl Acetate	4.645	43	21273	0.436	ppbv #	83
24) 1,1-Dichloroethane	4.581	63	52345	0.580	ppbv #	95
25) Ethyl Acetate	5.227	43	107033	0.488	ppbv #	95
26) Hexane	5.227	57	47546	0.531	ppbv #	83
27) Carbon Disulfide	4.147	76	35264	0.369	ppbv #	64
28) Methyl tert-Butyl Ether	4.613	73	33469	0.433	ppbv	94
29) Chloroform	5.292	83	78405m	0.560	ppbv	
30) Cyclohexane	6.619	84	33225m	0.448	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	37488	0.432	ppbv	98
32) 1,1,1-Trichloroethane	6.018	97	61511	0.499	ppbv #	90
34) 2-Butanone	4.816	43	66782	0.543	ppbv	100
35) Carbon Tetrachloride	6.504	117	67447	0.504	ppbv #	92
36) Benzene	6.382	78	86578m	0.459	ppbv	
37) 1,2-Dichloroethane	5.822	62	53970	0.519	ppbv	99
38) Trichloroethene	7.298	130	50098m	0.496	ppbv	
39) 1,2-Dichloropropane	7.082	63	37845m	0.534	ppbv	
40) 1,4-Dioxane	7.333	88	13858m	0.499	ppbv	
41) Tetrahydrofuran	5.603	42	27036	0.368	ppbv	95
42) Bromodichloromethane	7.256	83	70150m	0.493	ppbv	
43) Methyl Methacrylate	7.488	69	27388m	0.403	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	151347	0.476	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	15940	0.269	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	27458m	0.335	ppbv	
47) 1,1,2-Trichloroethane	8.906	97	40218m	0.497	ppbv	
48) Dibromochloromethane	9.719	129	51587m	0.432	ppbv	
49) Bromoform	12.413	173	38351m	0.388	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	70611	0.368	ppbv	100
51) 2-Hexanone	9.578	43	49302m	0.350	ppbv	
52) Tetrachloroethene	10.622	164	34833	0.488	ppbv #	80
53) Toluene	9.237	91	77179m	0.366	ppbv	
54) 1,2-Dibromoethane	10.018	107	40596	0.448	ppbv	82
56) 1,1,1,2-Tetrachloroethane	11.513	131	48098	0.545	ppbv #	1
57) Chlorobenzene	11.539	112	90887	0.561	ppbv	95
58) Ethyl Benzene	12.102	91	100938	0.404	ppbv	90
59) m/p-Xylene	12.388	91	204158m	0.912	ppbv	
60) o-Xylene	13.066	91	100215m	0.466	ppbv	
61) Styrene	12.905	104	37584m	0.328	ppbv	
62) Isopropylbenzene	14.037	105	163136	0.502	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	57531m	0.565	ppbv	
64) n-propylbenzene	14.928	120	38361m	0.454	ppbv	
65) tert-Butylbenzene	16.105	119	147263	0.510	ppbv	97
66) Benzyl Chloride	16.349	91	10253m	0.437	ppbv	
67) sec-Butylbenzene	16.648	105	200492	0.490	ppbv	100
69) p-Isopropyltoluene	17.008	119	150647	0.444	ppbv	96
70) n-Butylbenzene	17.902	91	142696	0.422	ppbv	98
71) 2-Chlorotoluene	14.815	91	110116	0.468	ppbv	99
72) 4-Ethyltoluene	15.208	105	107421m	0.427	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	108147m	0.471	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	129596m	0.506	ppbv	
75) 1,3-Dichlorobenzene	16.339	146	77308	0.497	ppbv	90
76) 1,4-Dichlorobenzene	16.478	146	78684	0.508	ppbv	93
77) 1,2-Dichlorobenzene	17.156	146	87168m	0.572	ppbv	
78) Hexachloro-1,3-Butadiene	22.638	225	71514m	0.589	ppbv	
79) Naphthalene	21.397	128	72971m	0.400	ppbv	
80) Naphthalene,2-methyl-	24.384	142	16573m	0.224	ppbv	
81) 1,2,4-Trichlorobenzene	21.153	180	57740m	0.474	ppbv	

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

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