

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039435.D
 Acq On : 6 Jul 2022 1:45
 Operator : SY/AP
 Sample : N3214-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022

Quant Time: Jul 06 02:39:48 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.677	49	1075660	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.185	114	3130378	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	2778266	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	2123088	10.301	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	118939	0.767	ppbv	92
3) Chlorodifluoromethane	3.002	51	77822	0.570	ppbv	97
4) Chloromethane	3.153	50	41045m	0.550	ppbv	
5) Vinyl Chloride	3.269	62	40490m	0.550	ppbv	
6) Bromomethane	3.485	94	19859m	0.641	ppbv	
7) Chloroethane	3.575	64	15771m	0.602	ppbv	
8) Dichlorotetrafluoroethane	3.198	85	92540	0.546	ppbv	95
9) Propene	3.022	41	33346	0.541	ppbv	98
10) Heptane	8.137	43	68677m	0.476	ppbv	
11) Trichlorofluoromethane	3.960	101	100964	0.584	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.494	101	70027	0.543	ppbv	93
13) Ethanol	3.632	45	2665m	0.745	ppbv	
14) Bromoethene	3.751	108	28535	0.527	ppbv #	96
15) Acetone	3.870	43	94789m	0.745	ppbv	
16) 1,3-Butadiene	3.337	39	36748	0.557	ppbv	97
17) tert-Butyl alcohol	4.311	59	56531m	0.523	ppbv	
18) 1,1-Dichloroethene	4.304	96	32185m	0.551	ppbv	
19) Isopropyl Alcohol	3.993	45	31556m	0.465	ppbv	
20) Methylene Chloride	4.356	84	37898m	0.747	ppbv	
21) Allyl Chloride	4.423	41	43767	0.497	ppbv	94
22) trans-1,2-Dichloroethene	4.902	96	28797m	0.509	ppbv	
23) Vinyl Acetate	5.089	43	37671m	0.443	ppbv	
24) 1,1-Dichloroethane	5.028	63	70761m	0.589	ppbv	
25) Ethyl Acetate	5.697	43	129854	0.498	ppbv	98
26) Hexane	5.697	57	58186m	0.553	ppbv	
27) Carbon Disulfide	4.562	76	59161m	0.466	ppbv	
28) Methyl tert-Butyl Ether	5.060	73	66341	0.590	ppbv	100
29) Chloroform	5.761	83	102191m	0.559	ppbv	
30) Cyclohexane	7.147	84	53279m	0.556	ppbv	
31) cis-1,2-Dichloroethene	5.558	61	52932m	0.474	ppbv	
32) 1,1,1-Trichloroethane	6.520	97	89886	0.498	ppbv	96
34) 2-Butanone	5.266	43	66704	0.423	ppbv	91
35) Carbon Tetrachloride	7.031	117	88704	0.459	ppbv	92
36) Benzene	6.902	78	107002	0.442	ppbv #	93
37) 1,2-Dichloroethane	6.314	62	66786m	0.467	ppbv	
38) Trichloroethene	7.848	130	58439	0.446	ppbv	85
39) 1,2-Dichloropropane	7.626	63	44800m	0.495	ppbv	
40) 1,4-Dioxane	7.873	88	20318m	0.563	ppbv	
41) Tetrahydrofuran	6.079	42	39966m	0.438	ppbv	
42) Bromodichloromethane	7.806	83	82089	0.426	ppbv	98
43) Methyl Methacrylate	8.034	69	38686m	0.420	ppbv	
44) 2,2,4-Trimethylpentane	7.886	57	189176	0.461	ppbv	93
45) t-1,3-Dichloropropene	9.295	75	25846m	0.315	ppbv	

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46) cis-1,3-Dichloropropene	8.713	75	39817m	0.353	ppbv	
47) 1,1,2-Trichloroethane	9.481	97	51589m	0.508	ppbv	
48) Dibromochloromethane	10.317	129	63578m	0.394	ppbv	
49) Bromoform	13.057	173	48399m	0.372	ppbv	
50) 4-Methyl-2-Pentanone	8.771	43	101709m	0.427	ppbv	
51) 2-Hexanone	10.163	43	63532m	0.353	ppbv	
52) Tetrachloroethene	11.230	164	45815m	0.470	ppbv	
53) Toluene	9.819	91	115613m	0.414	ppbv	
54) 1,2-Dibromoethane	10.623	107	57209m	0.453	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.134	131	62075m	0.506	ppbv	
57) Chlorobenzene	12.156	112	113993	0.529	ppbv	96
58) Ethyl Benzene	12.725	91	151583	0.423	ppbv	98
59) m/p-Xylene	13.002	91	293517m	0.928	ppbv	
60) o-Xylene	13.700	91	136133	0.455	ppbv	100
61) Styrene	13.539	104	58955m	0.363	ppbv	
62) Isopropylbenzene	14.677	105	224378	0.492	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.693	83	76139m	0.485	ppbv	
64) n-propylbenzene	15.574	120	52999m	0.458	ppbv	
65) tert-Butylbenzene	16.754	119	187284	0.444	ppbv	89
66) Benzyl Chloride	17.008	91	17085m	0.427	ppbv	
67) sec-Butylbenzene	17.307	105	282167m	0.497	ppbv	
69) p-Isopropyltoluene	17.667	119	217653m	0.452	ppbv	
70) n-Butylbenzene	18.558	91	196170	0.420	ppbv	97
71) 2-Chlorotoluene	15.465	91	154013m	0.472	ppbv	
72) 4-Ethyltoluene	15.847	105	156188m	0.444	ppbv	
73) 1,3,5-Trimethylbenzene	16.008	105	137974	0.427	ppbv	89
74) 1,2,4-Trimethylbenzene	16.770	105	163177	0.456	ppbv #	90
75) 1,3-Dichlorobenzene	17.002	146	109966m	0.515	ppbv	
76) 1,4-Dichlorobenzene	17.146	146	103292m	0.488	ppbv	
77) 1,2-Dichlorobenzene	17.828	146	99688m	0.471	ppbv	
78) Hexachloro-1,3-Butadiene	23.384	225	89847m	0.528	ppbv	
79) Naphthalene	22.217	128	83884m	0.341	ppbv	
80) Naphthalene,2-methyl-	25.053	142	13400m	0.160	ppbv	
81) 1,2,4-Trichlorobenzene	21.944	180	62425m	0.389	ppbv	

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

Manual Integrations

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