

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039568.D
 Acq On : 18 Aug 2022 21:04
 Operator : SY/AP
 Sample : N3980-13 4.0 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2022

Quant Time: Aug 19 03:05:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.207	49	944829	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2544558	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2329829	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.779	95	1824289	10.401	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.754	85	78687	0.620	ppbv	91
3) Chlorodifluoromethane	2.696	51	51656	0.456	ppbv	98
4) Chloromethane	2.838	50	26539	0.392	ppbv	95
5) Vinyl Chloride	2.944	62	21647	0.371	ppbv #	83
6) Bromomethane	3.143	94	8692	0.364	ppbv	99
7) Chloroethane	3.214	64	9604m	0.462	ppbv	
8) Dichlorotetrafluoroethane	2.880	85	61886	0.454	ppbv	98
9) Propene	2.719	41	25729	0.499	ppbv	97
10) Heptane	7.596	43	41614m	0.347	ppbv	
11) Trichlorofluoromethane	3.584	101	60857	0.436	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.082	101	46151	0.448	ppbv	97
13) Ethanol	3.272	45	3029m	0.816	ppbv	
14) Bromoethene	3.394	108	17167m	0.408	ppbv	
15) Acetone	3.503	43	38727	0.363	ppbv #	67
16) 1,3-Butadiene	3.005	39	22433	0.405	ppbv	100
17) tert-Butyl alcohol	3.915	59	35001m	0.384	ppbv	
18) 1,1-Dichloroethene	3.899	96	18305	0.394	ppbv	82
19) Isopropyl Alcohol	3.613	45	23878m	0.458	ppbv	
20) Methylene Chloride	3.957	84	23314	0.536	ppbv	96
21) Allyl Chloride	4.015	41	28995m	0.418	ppbv	
22) trans-1,2-Dichloroethene	4.462	96	17329	0.375	ppbv	94
23) Vinyl Acetate	4.651	43	22539m	0.420	ppbv	
24) 1,1-Dichloroethane	4.580	63	40241	0.426	ppbv #	94
25) Ethyl Acetate	5.230	43	77685	0.341	ppbv #	91
26) Hexane	5.227	57	35906	0.385	ppbv	89
27) Carbon Disulfide	4.140	76	39718m	0.399	ppbv	
28) Methyl tert-Butyl Ether	4.619	73	27652	0.337	ppbv #	89
29) Chloroform	5.288	83	61728	0.423	ppbv	89
30) Cyclohexane	6.609	84	29125m	0.376	ppbv	
31) cis-1,2-Dichloroethene	5.098	61	32522m	0.360	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	56002m	0.409	ppbv	
34) 2-Butanone	4.815	43	40217	0.314	ppbv	91
35) Carbon Tetrachloride	6.506	117	55437m	0.387	ppbv	
36) Benzene	6.384	78	66847m	0.345	ppbv	
37) 1,2-Dichloroethane	5.818	62	44314	0.411	ppbv	98
38) Trichloroethene	7.297	130	41604m	0.395	ppbv	
39) 1,2-Dichloropropane	7.085	63	32277m	0.444	ppbv	
40) 1,4-Dioxane	7.352	88	10747m	0.373	ppbv	
41) Tetrahydrofuran	5.597	42	22478m	0.299	ppbv	
42) Bromodichloromethane	7.259	83	56263	0.382	ppbv	90
43) Methyl Methacrylate	7.497	69	21091m	0.300	ppbv	
44) 2,2,4-Trimethylpentane	7.339	57	113835	0.348	ppbv #	88
45) t-1,3-Dichloropropene	8.712	75	15534m	0.252	ppbv	

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46) cis-1,3-Dichloropropene	8.153	75	23519m	0.277	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	33665m	0.404	ppbv	
48) Dibromochloromethane	9.722	129	42040m	0.339	ppbv	
49) Bromoform	12.413	173	31258m	0.305	ppbv	
50) 4-Methyl-2-Pentanone	8.217	43	63297m	0.322	ppbv	
51) 2-Hexanone	9.580	43	39212m	0.270	ppbv	
52) Tetrachloroethene	10.616	164	28579m	0.376	ppbv	
53) Toluene	9.236	91	62541m	0.288	ppbv	
54) 1,2-Dibromoethane	10.014	107	34276m	0.361	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	41554m	0.433	ppbv	
57) Chlorobenzene	11.529	112	75547	0.431	ppbv #	92
58) Ethyl Benzene	12.098	91	80065	0.297	ppbv	99
59) m/p-Xylene	12.384	91	163368m	0.673	ppbv	
60) o-Xylene	13.066	91	73282m	0.315	ppbv	
61) Styrene	12.915	104	28482m	0.230	ppbv	
62) Isopropylbenzene	14.040	105	127041m	0.361	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.062	83	47188m	0.403	ppbv	
64) n-propylbenzene	14.924	120	30465m	0.332	ppbv	
65) tert-Butylbenzene	16.104	119	108232	0.345	ppbv	92
66) Benzyl Chloride	16.345	91	10596m	0.394	ppbv	
67) sec-Butylbenzene	16.641	105	159175m	0.359	ppbv	
69) p-Isopropyltoluene	17.011	119	116552m	0.316	ppbv	
70) n-Butylbenzene	17.902	91	117816m	0.321	ppbv	
71) 2-Chlorotoluene	14.812	91	79596	0.312	ppbv	95
72) 4-Ethyltoluene	15.204	105	77724	0.284	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.361	105	82531m	0.331	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	95272	0.342	ppbv #	94
75) 1,3-Dichlorobenzene	16.339	146	62221m	0.368	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	68318	0.404	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	67652m	0.408	ppbv	
78) Hexachloro-1,3-Butadiene	22.644	225	58798m	0.447	ppbv	
79) Naphthalene	21.397	128	55432m	0.280	ppbv	
80) Naphthalene,2-methyl-	24.390	142	12353	0.158	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.152	180	41488m	0.314	ppbv	

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

