

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041016.D
 Acq On : 24 Jan 2024 15:08
 Operator : SY/MD
 Sample : P1187-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Quant Time: Jan 25 03:19:29 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jan 25 03:13:06 2024

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Bromochloromethane	5.160	49	1051080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2621081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2292135	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 1764991 10.195 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	101472	0.437	ppbv	90
3) Chlorodifluoromethane	2.649	51	76588	0.433	ppbv	99
4) Chloromethane	2.787	50	27189	0.410	ppbv	88
5) Vinyl Chloride	2.893	62	26198	0.403	ppbv #	81
6) Bromomethane	3.092	94	10172	0.360	ppbv	99
7) Chloroethane	3.169	64	8937	0.382	ppbv	95
8) Dichlorotetrafluoroethane	2.829	85	73134	0.422	ppbv	96
9) Propene	2.668	41	24252	0.418	ppbv	99
10) Heptane	7.545	43	47242	0.331	ppbv	95
11) Trichlorofluoromethane	3.536	101	75335	0.403	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.038	101	57781	0.426	ppbv	98
13) Ethanol	3.234	45	6109	0.442	ppbv	98
14) Bromoethene	3.337	108	19354	0.372	ppbv #	80
15) Acetone	3.456	43	66771	0.497	ppbv	98
16) 1,3-Butadiene	2.957	39	23639	0.368	ppbv	95
17) tert-Butyl alcohol	3.870	59	43404	0.394	ppbv #	94
18) 1,1-Dichloroethene	3.851	96	22985	0.396	ppbv	91
19) Isopropyl Alcohol	3.568	45	30549	0.393	ppbv #	89
20) Methylene Chloride	3.909	84	25731m	0.497	ppbv	
21) Allyl Chloride	3.967	41	29523	0.362	ppbv	88
22) trans-1,2-Dichloroethene	4.417	96	21222	0.355	ppbv	85
23) Vinyl Acetate	4.603	43	44728	0.323	ppbv #	94
24) 1,1-Dichloroethane	4.530	63	49319	0.401	ppbv	98
25) Ethyl Acetate	5.189	43	87939	0.361	ppbv	96
26) Hexane	5.179	57	34173m	0.329	ppbv	
27) Carbon Disulfide	4.092	76	45967m	0.340	ppbv	
28) Methyl tert-Butyl Ether	4.568	73	32637m	0.379	ppbv	
29) Chloroform	5.243	83	78339	0.425	ppbv	95
30) Cyclohexane	6.571	84	25441	0.292	ppbv #	86
31) cis-1,2-Dichloroethene	5.050	61	38411	0.394	ppbv	93
32) 1,1,1-Trichloroethane	5.973	97	68209	0.387	ppbv	96
34) 2-Butanone	4.771	43	50624	0.405	ppbv	96
35) Carbon Tetrachloride	6.459	117	69009	0.395	ppbv	86
36) Benzene	6.340	78	83092	0.384	ppbv	95
37) 1,2-Dichloroethane	5.777	62	54281	0.411	ppbv #	95
38) Trichloroethene	7.253	130	30760m	0.354	ppbv	
39) 1,2-Dichloropropane	7.044	63	34136m	0.400	ppbv	
40) 1,4-Dioxane	7.288	88	13154m	0.371	ppbv	
41) Tetrahydrofuran	5.552	42	26366	0.311	ppbv	96
42) Bromodichloromethane	7.218	83	75306m	0.398	ppbv	
43) Methyl Methacrylate	7.452	69	23028	0.276	ppbv #	72
44) 2,2,4-Trimethylpentane	7.295	57	136260m	0.374	ppbv	
45) t-1,3-Dichloropropene	8.677	75	16927m	0.297	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.115	75	20190	0.284	ppbv #	76
47) 1,1,2-Trichloroethane	8.867	97	32745	0.356	ppbv	95
48) Dibromochloromethane	9.677	129	51418	0.331	ppbv	94
49) Bromoform	12.368	173	39735m	0.326	ppbv	
50) 4-Methyl-2-Pentanone	8.172	43	71517m	0.325	ppbv	
51) 2-Hexanone	9.545	43	42442m	0.268	ppbv	
52) Tetrachloroethene	10.584	164	28533m	0.397	ppbv	
53) Toluene	9.188	91	73493	0.310	ppbv	99
54) 1,2-Dibromoethane	9.976	107	46122m	0.371	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.475	131	45590m	0.415	ppbv	
57) Chlorobenzene	11.494	112	77624m	0.421	ppbv	
58) Ethyl Benzene	12.057	91	104378	0.339	ppbv	99
59) m/p-Xylene	12.336	91	192480m	0.717	ppbv	
60) o-Xylene	13.024	91	92057	0.358	ppbv	96
61) Styrene	12.873	104	32922m	0.278	ppbv	
62) Isopropylbenzene	13.999	105	145438	0.382	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.015	83	83838	0.419	ppbv	99
64) n-propylbenzene	14.883	120	34725m	0.361	ppbv	
65) tert-Butylbenzene	16.060	119	118414	0.356	ppbv	91
66) Benzyl Chloride	16.294	91	7746m	0.355	ppbv	
67) sec-Butylbenzene	16.603	105	170040	0.351	ppbv	100
69) p-Isopropyltoluene	16.966	119	124356	0.331	ppbv	94
70) n-Butylbenzene	17.854	91	133788m	0.330	ppbv	
71) 2-Chlorotoluene	14.773	91	106256m	0.362	ppbv	
72) 4-Ethyltoluene	15.159	105	92811	0.323	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.314	105	85656m	0.336	ppbv	
74) 1,2,4-Trimethylbenzene	16.076	105	102085	0.353	ppbv #	87
75) 1,3-Dichlorobenzene	16.301	146	59956m	0.364	ppbv	
76) 1,4-Dichlorobenzene	16.445	146	61220m	0.377	ppbv	
77) 1,2-Dichlorobenzene	17.108	146	61324m	0.375	ppbv	
78) Hexachloro-1,3-Butadiene	22.596	225	41162m	0.390	ppbv	
79) Naphthalene	21.358	128	34827m	0.211	ppbv	
80) Naphthalene,2-methyl-	24.432	142	4472m	0.154	ppbv	
81) 1,2,4-Trichlorobenzene	21.117	180	23719m	0.246	ppbv	

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

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