

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041238.D
 Acq On : 8 May 2024 11:18
 Operator : SY/MD
 Sample : P2403-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

Quant Time: May 09 04:49:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

05/09/2024
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	5.214	49	824958	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2224017	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.490	117	2064668	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.802	95	1579457	10.133	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	81037	0.726	ppbv	97
3) Chlorodifluoromethane	2.697	51	72602	0.579	ppbv	98
4) Chloromethane	2.838	50	27685	0.563	ppbv	93
5) Vinyl Chloride	2.944	62	25786	0.522	ppbv	93
6) Bromomethane	3.144	94	10713m	0.594	ppbv	
7) Chloroethane	3.217	64	9749m	0.559	ppbv	
8) Dichlorotetrafluoroethane	2.877	85	66859	0.579	ppbv	98
9) Propene	2.716	41	27220	0.555	ppbv	92
10) Heptane	7.603	43	59459	0.501	ppbv	96
11) Trichlorofluoromethane	3.584	101	62240	0.549	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.092	101	43959	0.524	ppbv	99
13) Ethanol	3.275	45	5976m	0.544	ppbv	
14) Bromoethene	3.385	108	19209m	0.555	ppbv	
15) Acetone	3.504	43	63420	0.651	ppbv	96
16) 1,3-Butadiene	3.005	39	24711m	0.503	ppbv	
17) tert-Butyl alcohol	3.915	59	45887m	0.437	ppbv	
18) 1,1-Dichloroethene	3.902	96	19543	0.523	ppbv	96
19) Isopropyl Alcohol	3.613	45	31651m	0.495	ppbv	
20) Methylene Chloride	3.957	84	19952	0.589	ppbv	87
21) Allyl Chloride	4.021	41	31629	0.498	ppbv #	84
22) trans-1,2-Dichloroethene	4.465	96	21210m	0.545	ppbv	
23) Vinyl Acetate	4.658	43	49339m	0.460	ppbv	
24) 1,1-Dichloroethane	4.584	63	41987	0.504	ppbv #	96
25) Ethyl Acetate	5.240	43	98312	0.506	ppbv	97
26) Hexane	5.237	57	43470	0.501	ppbv	95
27) Carbon Disulfide	4.150	76	49977	0.487	ppbv #	94
28) Methyl tert-Butyl Ether	4.623	73	33926m	0.491	ppbv	
29) Chloroform	5.298	83	72143	0.603	ppbv	90
30) Cyclohexane	6.629	84	34325	0.500	ppbv	87
31) cis-1,2-Dichloroethene	5.098	61	39796	0.490	ppbv #	88
32) 1,1,1-Trichloroethane	6.021	97	64386	0.539	ppbv	95
34) 2-Butanone	4.819	43	57349	0.507	ppbv	99
35) Carbon Tetrachloride	6.520	117	62065	0.497	ppbv	95
36) Benzene	6.397	78	88130	0.472	ppbv	93
37) 1,2-Dichloroethane	5.825	62	53317m	0.548	ppbv	
38) Trichloroethene	7.311	130	36813m	0.529	ppbv	
39) 1,2-Dichloropropane	7.102	63	37787m	0.525	ppbv	
40) 1,4-Dioxane	7.356	88	13639m	0.531	ppbv	
41) Tetrahydrofuran	5.603	42	36581m	0.446	ppbv	
42) Bromodichloromethane	7.275	83	73074	0.523	ppbv #	82
43) Methyl Methacrylate	7.503	69	31848m	0.422	ppbv	
44) 2,2,4-Trimethylpentane	7.349	57	156979	0.488	ppbv	97
45) t-1,3-Dichloropropene	8.741	75	20529m	0.375	ppbv	

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46) cis-1,3-Dichloropropene	8.163	75	26825m	0.401	ppbv	
47) 1,1,2-Trichloroethane	8.925	97	39137m	0.544	ppbv	
48) Dibromochloromethane	9.741	129	56289m	0.491	ppbv	
49) Bromoform	12.429	173	41297	0.423	ppbv	98
50) 4-Methyl-2-Pentanone	8.227	43	86800	0.427	ppbv	97
51) 2-Hexanone	9.597	43	64107m	0.425	ppbv	
52) Tetrachloroethene	10.638	164	34221m	0.522	ppbv	
53) Toluene	9.246	91	104675	0.484	ppbv	95
54) 1,2-Dibromoethane	10.034	107	47984	0.492	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.532	131	45607	0.545	ppbv #	1
57) Chlorobenzene	11.548	112	80353	0.531	ppbv	97
58) Ethyl Benzene	12.114	91	133372	0.471	ppbv	95
59) m/p-Xylene	12.394	91	242349m	1.019	ppbv	
60) o-Xylene	13.085	91	116243	0.521	ppbv	97
61) Styrene	12.925	104	52413	0.445	ppbv	99
62) Isopropylbenzene	14.050	105	177158	0.531	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	87340m	0.574	ppbv	
64) n-propylbenzene	14.947	120	45330m	0.545	ppbv	
65) tert-Butylbenzene	16.111	119	158716m	0.531	ppbv	
66) Benzyl Chloride	16.368	91	9303m	0.275	ppbv	
67) sec-Butylbenzene	16.657	105	227442m	0.541	ppbv	
69) p-Isopropyltoluene	17.021	119	182264m	0.526	ppbv	
70) n-Butylbenzene	17.918	91	173498	0.479	ppbv	97
71) 2-Chlorotoluene	14.828	91	131554	0.518	ppbv	100
72) 4-Ethyltoluene	15.217	105	123690	0.490	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.378	105	108649	0.475	ppbv	97
74) 1,2,4-Trimethylbenzene	16.137	105	136142m	0.545	ppbv	
75) 1,3-Dichlorobenzene	16.358	146	75970	0.531	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	78429m	0.570	ppbv	
77) 1,2-Dichlorobenzene	17.175	146	79141m	0.553	ppbv	
78) Hexachloro-1,3-Butadiene	22.657	225	66851m	0.526	ppbv	
79) Naphthalene	21.429	128	95468m	0.402	ppbv	
80) Naphthalene,2-methyl-	24.458	142	18550m	0.194	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	48275m	0.385	ppbv	

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

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