

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041190.D
 Acq On : 2 May 2024 10:44
 Operator : SY/MD
 Sample : VL0502ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

Quant Time: May 03 03:38:20 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 : Fri May 03 03:34:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/06/2024
 Supervised By : Mahesh Dadoda 05/07/2024

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

Internal Standards						
1) Bromochloromethane	5.185	49	994831	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2514703	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2494471m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1845774	9.801	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.719	85	1304778	9.696	ppbv	99
3) Chlorodifluoromethane	2.664	51	1386168	9.174	ppbv	100
4) Chloromethane	2.803	50	551252	9.298	ppbv	96
5) Vinyl Chloride	2.909	62	571370	9.593	ppbv	99
6) Bromomethane	3.108	94	199303	9.171	ppbv	85
7) Chloroethane	3.185	64	192912	9.174	ppbv	97
8) Dichlorotetrafluoroethane	2.848	85	1326618	9.525	ppbv	99
9) Propene	2.684	41	527334	8.918	ppbv	99
10) Heptane	7.574	43	1300646	9.079	ppbv	99
11) Trichlorofluoromethane	3.552	101	1345103	9.835	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	980225	9.692	ppbv	99
13) Ethanol	3.230	45	129735	9.788	ppbv	98
14) Bromoethene	3.356	108	406444	9.738	ppbv	100
15) Acetone	3.459	43	1033194	8.800	ppbv	99
16) 1,3-Butadiene	2.973	39	571438	9.642	ppbv	98
17) tert-Butyl alcohol	3.867	59	1208491	9.542	ppbv	100
18) 1,1-Dichloroethene	3.873	96	446772	9.908	ppbv	93
19) Isopropyl Alcohol	3.565	45	779107	10.113	ppbv #	43
20) Methylene Chloride	3.925	84	372900	9.133	ppbv	97
21) Allyl Chloride	3.986	41	735747	9.611	ppbv	100
22) trans-1,2-Dichloroethene	4.436	96	469912	10.020	ppbv	99
23) Vinyl Acetate	4.619	43	1277360	9.880	ppbv	99
24) 1,1-Dichloroethane	4.555	63	986795	9.816	ppbv	100
25) Ethyl Acetate	5.198	43	2179564	9.301	ppbv	100
26) Hexane	5.205	57	952256	9.106	ppbv	99
27) Carbon Disulfide	4.115	76	1205226	9.736	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	788003	9.463	ppbv	99
29) Chloroform	5.269	83	1380380	9.568	ppbv	99
30) Cyclohexane	6.594	84	769111	9.291	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	937251	9.573	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1379315	9.582	ppbv	99
34) 2-Butanone	4.777	43	1103014	8.618	ppbv	99
35) Carbon Tetrachloride	6.487	117	1378116	9.765	ppbv	99
36) Benzene	6.365	78	1949705	9.239	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1072252	9.738	ppbv	100
38) Trichloroethene	7.285	130	699042	8.889	ppbv	98
39) 1,2-Dichloropropane	7.069	63	765945	9.418	ppbv	97
40) 1,4-Dioxane	7.278	88	304697	10.487	ppbv	88
41) Tetrahydrofuran	5.549	42	874636	9.440	ppbv	100
42) Bromodichloromethane	7.246	83	1554961	9.847	ppbv	100
43) Methyl Methacrylate	7.468	69	805026	9.432	ppbv	97
44) 2,2,4-Trimethylpentane	7.320	57	3343431	9.189	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	634027	10.251	ppbv	98

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QLast Update : Fri May 03 03:34:47 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	750513	9.911	ppbv	96
47) 1,1,2-Trichloroethane	8.892	97	781722	9.603	ppbv	98
48) Dibromochloromethane	9.706	129	1293953	9.976	ppbv	100
49) Bromoform	12.404	173	1112274	10.081	ppbv	99
50) 4-Methyl-2-Pentanone	8.175	43	2094838	9.120	ppbv	99
51) 2-Hexanone	9.545	43	1555238	9.128	ppbv #	100
52) Tetrachloroethene	10.609	164	690970	9.316	ppbv	98
53) Toluene	9.217	91	2290129	9.359	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1084767	9.839	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.503	131	942456	9.318	ppbv	100
57) Chlorobenzene	11.526	112	1643593	8.997	ppbv	99
58) Ethyl Benzene	12.085	91	3030456	8.860	ppbv	100
59) m/p-Xylene	12.368	91	5009085m	17.424	ppbv	
60) o-Xylene	13.056	91	2377290	8.822	ppbv	100
61) Styrene	12.892	104	1306178	9.176	ppbv	99
62) Isopropylbenzene	14.024	105	3560087	8.833	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	1665174	9.066	ppbv	99
64) n-propylbenzene	14.915	120	922041	9.169	ppbv	99
65) tert-Butylbenzene	16.085	119	3086325	8.549	ppbv	99
66) Benzyl Chloride	16.323	91	367942	9.004	ppbv	99
67) sec-Butylbenzene	16.632	105	4361837	8.583	ppbv	99
69) p-Isopropyltoluene	16.989	119	3643982	8.701	ppbv	100
70) n-Butylbenzene	17.882	91	3812583	8.717	ppbv	100
71) 2-Chlorotoluene	14.796	91	2738800	8.924	ppbv	99
72) 4-Ethyltoluene	15.188	105	2794456	9.155	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2453845	8.886	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	2674360	8.867	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1581954	9.147	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1554942	9.349	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1528071	8.839	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1194574	7.775	ppbv	100
79) Naphthalene	21.381	128	2704131	9.415	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	924571	8.002	ppbv	98
81) 1,2,4-Trichlorobenzene	21.140	180	1359471	8.964	ppbv	100

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

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