

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041051.D
 Acq On : 9 Feb 2024 10:28
 Operator : SY/MD
 Sample : VL0209ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024
 Supervised By :Mahesh Dadoda 02/12/2024

Quant Time: Feb 12 01:30:29 2024

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

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

QLast Update : Mon Feb 12 01:28:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1159595	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2933239	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3015070	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2298232 10.092 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2393315	9.345	ppbv	96
3) Chlorodifluoromethane	2.665	51	1833396	9.400	ppbv	100
4) Chloromethane	2.803	50	696053	9.521	ppbv	99
5) Vinyl Chloride	2.909	62	715165	9.978	ppbv	99
6) Bromomethane	3.108	94	311531	9.982	ppbv	97
7) Chloroethane	3.186	64	250655	9.712	ppbv	96
8) Dichlorotetrafluoroethane	2.845	85	1749986	9.146	ppbv	96
9) Propene	2.684	41	615480	9.621	ppbv	95
10) Heptane	7.568	43	1544040	9.807	ppbv	98
11) Trichlorofluoromethane	3.552	101	1918123	9.294	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	1386431	9.270	ppbv	99
13) Ethanol	3.227	45	140952	9.245	ppbv	95
14) Bromoethene	3.356	108	571108	9.945	ppbv	99
15) Acetone	3.456	43	1341114	9.044	ppbv	98
16) 1,3-Butadiene	2.973	39	693211	9.772	ppbv	100
17) tert-Butyl alcohol	3.867	59	1111812	9.141	ppbv	100
18) 1,1-Dichloroethene	3.867	96	601345	9.391	ppbv	94
19) Isopropyl Alcohol	3.562	45	791619	9.222	ppbv	100
20) Methylene Chloride	3.922	84	491635	8.616	ppbv	94
21) Allyl Chloride	3.983	41	852895	9.466	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	634787	9.627	ppbv	96
23) Vinyl Acetate	4.616	43	1705609	11.158	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1425187	10.510	ppbv	100
25) Ethyl Acetate	5.192	43	2603997	9.684	ppbv	99
26) Hexane	5.202	57	1135057	9.904	ppbv	98
27) Carbon Disulfide	4.112	76	1511422	10.134	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	969228	10.189	ppbv	99
29) Chloroform	5.263	83	1970156	9.692	ppbv	98
30) Cyclohexane	6.587	84	950153	9.895	ppbv	100
31) cis-1,2-Dichloroethene	5.066	61	1180397	10.973	ppbv	97
32) 1,1,1-Trichloroethane	5.989	97	1941500	9.993	ppbv	100
34) 2-Butanone	4.774	43	1642092	11.751	ppbv	100
35) Carbon Tetrachloride	6.481	117	2060319	10.533	ppbv	99
36) Benzene	6.359	78	2433478	10.045	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1497590	10.130	ppbv	98
38) Trichloroethene	7.279	130	935232	9.630	ppbv	98
39) 1,2-Dichloropropane	7.060	63	947683	9.930	ppbv	97
40) 1,4-Dioxane	7.269	88	402756	10.161	ppbv	97
41) Tetrahydrofuran	5.542	42	979093	10.319	ppbv	100
42) Bromodichloromethane	7.237	83	2163820	10.230	ppbv	98
43) Methyl Methacrylate	7.462	69	1005016	10.751	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	4008536	9.834	ppbv	99
45) t-1,3-Dichloropropene	8.697	75	780448	12.219	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	929842	11.673	ppbv	97
47) 1,1,2-Trichloroethane	8.886	97	1041944	10.129	ppbv	94
48) Dibromochloromethane	9.697	129	1836351	10.559	ppbv	99
49) Bromoform	12.397	173	1527858	11.200	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2592422	10.534	ppbv	100
51) 2-Hexanone	9.539	43	1859105	10.480	ppbv	99
52) Tetrachloroethene	10.606	164	833914	10.366	ppbv	99
53) Toluene	9.208	91	2798383	10.545	ppbv	99
54) 1,2-Dibromoethane	9.996	107	1490612	10.700	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1346458	9.308	ppbv	99
57) Chlorobenzene	11.516	112	2186803	9.017	ppbv	99
58) Ethyl Benzene	12.076	91	3841342	9.488	ppbv	99
59) m/p-Xylene	12.359	91	6617455m	18.746	ppbv	
60) o-Xylene	13.044	91	3193376	9.429	ppbv	99
61) Styrene	12.883	104	1620572	10.420	ppbv	100
62) Isopropylbenzene	14.018	105	4614834	9.213	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	2377536	9.032	ppbv	99
64) n-propylbenzene	14.902	120	1197756	9.465	ppbv	98
65) tert-Butylbenzene	16.076	119	4035749	9.222	ppbv	100
66) Benzyl Chloride	16.314	91	297739	10.382	ppbv	99
67) sec-Butylbenzene	16.622	105	5769974	9.055	ppbv	100
69) p-Isopropyltoluene	16.982	119	4620620	9.361	ppbv	100
70) n-Butylbenzene	17.873	91	4942219	9.266	ppbv	100
71) 2-Chlorotoluene	14.786	91	3601606	9.319	ppbv	100
72) 4-Ethyltoluene	15.179	105	3629260	9.595	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	3177452	9.465	ppbv	99
74) 1,2,4-Trimethylbenzene	16.095	105	3492671	9.178	ppbv	94
75) 1,3-Dichlorobenzene	16.317	146	2023782	9.344	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1978019	9.255	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1942196	9.022	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1120804	8.074	ppbv	100
79) Naphthalene	21.368	128	2481964	11.433	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	438457	11.499	ppbv	94
81) 1,2,4-Trichlorobenzene	21.124	180	1219063	9.624	ppbv	100

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

