

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041323.D
 Acq On : 5 Jun 2024 12:06
 Operator : SY/MD
 Sample : VL0605ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0605ABS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 04:37:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	898290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2367866	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2332056m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1774455 9.855 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	1452294	10.124	ppbv	99
3) Chlorodifluoromethane	2.710	51	1403396	9.886	ppbv	99
4) Chloromethane	2.845	50	530102	9.921	ppbv	100
5) Vinyl Chloride	2.954	62	534327	9.927	ppbv	96
6) Bromomethane	3.150	94	163865	8.562	ppbv	91
7) Chloroethane	3.227	64	185035	9.985	ppbv	91
8) Dichlorotetrafluoroethane	2.890	85	1290116	9.779	ppbv	98
9) Propene	2.729	41	486231	9.616	ppbv	98
10) Heptane	7.590	43	1215870	10.145	ppbv	99
11) Trichlorofluoromethane	3.591	101	1339584	10.158	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	916058	9.835	ppbv	97
13) Ethanol	3.266	45	125202	9.518	ppbv	99
14) Bromoethene	3.394	108	388588	10.308	ppbv	97
15) Acetone	3.494	43	1013349	9.880	ppbv	99
16) 1,3-Butadiene	3.015	39	534285	10.363	ppbv	98
17) tert-Butyl alcohol	3.899	59	979066	10.369	ppbv	99
18) 1,1-Dichloroethene	3.906	96	423811	10.666	ppbv	92
19) Isopropyl Alcohol	3.600	45	688955	10.692	ppbv	99
20) Methylene Chloride	3.957	84	365175	9.796	ppbv	98
21) Allyl Chloride	4.018	41	662675	10.199	ppbv	99
22) trans-1,2-Dichloroethene	4.468	96	439362	10.611	ppbv	94
23) Vinyl Acetate	4.645	43	1186969	11.316	ppbv	99
24) 1,1-Dichloroethane	4.584	63	933391	10.115	ppbv	99
25) Ethyl Acetate	5.221	43	2040635	10.057	ppbv	100
26) Hexane	5.227	57	901446	9.879	ppbv	98
27) Carbon Disulfide	4.147	76	1100415	10.888	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	661651	9.784	ppbv	99
29) Chloroform	5.295	83	1395454	9.968	ppbv	97
30) Cyclohexane	6.613	84	752370	10.173	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	898865	10.425	ppbv	97
32) 1,1,1-Trichloroethane	6.018	97	1394671	10.517	ppbv	99
34) 2-Butanone	4.806	43	1200209	10.580	ppbv	99
35) Carbon Tetrachloride	6.507	117	1436456	10.674	ppbv	97
36) Benzene	6.385	78	1880091	10.244	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1093034	10.215	ppbv	100
38) Trichloroethene	7.304	130	720798	9.691	ppbv	96
39) 1,2-Dichloropropane	7.089	63	728522	9.969	ppbv	99
40) 1,4-Dioxane	7.295	88	297649	11.121	ppbv	81
41) Tetrahydrofuran	5.571	42	765800	10.375	ppbv	100
42) Bromodichloromethane	7.259	83	1582673	10.299	ppbv	98
43) Methyl Methacrylate	7.488	69	763571	10.919	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	3160096	10.011	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	476478	10.098	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	603227	9.931	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	780182	10.216	ppbv	97
48) Dibromochloromethane	9.719	129	1315227	10.450	ppbv	98
49) Bromoform	12.410	173	1119234	11.035	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	1981847	10.554	ppbv	99
51) 2-Hexanone	9.558	43	1435153	10.753	ppbv	99
52) Tetrachloroethene	10.623	164	673153	10.057	ppbv	98
53) Toluene	9.227	91	2196906	10.407	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1025390	10.299	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	972609	9.861	ppbv	99
57) Chlorobenzene	11.536	112	1665011	9.612	ppbv	99
58) Ethyl Benzene	12.095	91	2973152	9.946	ppbv	99
59) m/p-Xylene	12.375	91	5076679m	19.822	ppbv	
60) o-Xylene	13.063	91	2405232	9.851	ppbv	99
61) Styrene	12.902	104	1286843	10.750	ppbv	99
62) Isopropylbenzene	14.034	105	3588972	9.719	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1718119	9.890	ppbv	100
64) n-propylbenzene	14.918	120	938806	9.864	ppbv	97
65) tert-Butylbenzene	16.092	119	3158172	9.621	ppbv	99
66) Benzyl Chloride	16.330	91	171205m	7.927	ppbv	
67) sec-Butylbenzene	16.642	105	4507998	9.720	ppbv	100
69) p-Isopropyltoluene	16.998	119	3768133	9.859	ppbv	100
70) n-Butylbenzene	17.889	91	3981339	10.041	ppbv	100
71) 2-Chlorotoluene	14.806	91	2775837	9.822	ppbv	100
72) 4-Ethyltoluene	15.198	105	2863513	10.067	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2551890	10.336	ppbv	97
74) 1,2,4-Trimethylbenzene	16.111	105	2766288	9.908	ppbv #	93
75) 1,3-Dichlorobenzene	16.333	146	1658089	10.116	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1622776	9.908	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1618817	9.866	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1151541	8.564	ppbv	100
79) Naphthalene	21.384	128	2793761	11.532	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	867719	10.606	ppbv	100
81) 1,2,4-Trichlorobenzene	21.140	180	1333632	9.871	ppbv #	98

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

