

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041126.D
 Acq On : 4 Apr 2024 13:21
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 04:19:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1434900	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3659594	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.503	117	3712039	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.815 95 2952104 9.926 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	2946925	11.970	ppbv	100
3) Chlorodifluoromethane	2.681	51	2900942	13.126	ppbv	98
4) Chloromethane	2.819	50	1133883	13.558	ppbv	99
5) Vinyl Chloride	2.928	62	1174301	14.692	ppbv	99
6) Bromomethane	3.128	94	436698	14.360	ppbv	93
7) Chloroethane	3.208	64	410560	14.102	ppbv	93
8) Dichlorotetrafluoroethane	2.864	85	2846461	13.595	ppbv	99
9) Propene	2.700	41	989510	14.075	ppbv	94
10) Heptane	7.610	43	2532778	15.174	ppbv	99
11) Trichlorofluoromethane	3.574	101	3010646	13.526	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.082	101	2199581	13.654	ppbv	99
13) Ethanol	3.253	45	203652m	12.436	ppbv	
14) Bromoethene	3.378	108	930077	14.658	ppbv	99
15) Acetone	3.481	43	2031497	13.075	ppbv	97
16) 1,3-Butadiene	2.993	39	1096923	14.382	ppbv	98
17) tert-Butyl alcohol	3.893	59	1811483	12.845	ppbv	100
18) 1,1-Dichloroethene	3.896	96	974884	14.174	ppbv	96
19) Isopropyl Alcohol	3.591	45	1196904	12.539	ppbv #	97
20) Methylene Chloride	3.947	84	826579	12.899	ppbv	99
21) Allyl Chloride	4.012	41	1365406	14.423	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	1036015	14.447	ppbv	96
23) Vinyl Acetate	4.648	43	2385915	14.801	ppbv	98
24) 1,1-Dichloroethane	4.584	63	2043892	14.153	ppbv	99
25) Ethyl Acetate	5.227	43	4121329	14.125	ppbv	99
26) Hexane	5.234	57	1810689	13.830	ppbv	99
27) Carbon Disulfide	4.140	76	2471909	15.550	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	1375181	13.918	ppbv	100
29) Chloroform	5.301	83	3053072	13.833	ppbv	98
30) Cyclohexane	6.629	84	1539054	14.615	ppbv	99
31) cis-1,2-Dichloroethene	5.102	61	1828298	14.753	ppbv	100
32) 1,1,1-Trichloroethane	6.031	97	3040214	14.902	ppbv	99
34) 2-Butanone	4.806	43	2263014	14.317	ppbv	99
35) Carbon Tetrachloride	6.523	117	3282506	15.721	ppbv	98
36) Benzene	6.401	78	3880926	14.456	ppbv	99
37) 1,2-Dichloroethane	5.835	62	2365529	14.660	ppbv	100
38) Trichloroethene	7.324	130	1527962	15.684	ppbv	98
39) 1,2-Dichloropropane	7.105	63	1521376	14.278	ppbv	99
40) 1,4-Dioxane	7.317	88	481293	13.175	ppbv #	1
41) Tetrahydrofuran	5.581	42	1586902	15.696	ppbv	99
42) Bromodichloromethane	7.279	83	3463641	15.025	ppbv	97
43) Methyl Methacrylate	7.507	69	1672393	17.934	ppbv	99
44) 2,2,4-Trimethylpentane	7.359	57	6345155	14.262	ppbv	98
45) t-1,3-Dichloropropene	8.741	75	1112622	18.513	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.176	75	1334385	17.441	ppbv	99
47) 1,1,2-Trichloroethane	8.934	97	1693342	14.784	ppbv	97
48) Dibromochloromethane	9.745	129	2959076	16.276	ppbv	99
49) Bromoform	12.445	173	2384424	16.545	ppbv	99
50) 4-Methyl-2-Pentanone	8.211	43	4192339	15.457	ppbv	99
51) 2-Hexanone	9.584	43	3101734	16.495	ppbv	99
52) Tetrachloroethene	10.651	164	1365217	15.862	ppbv	94
53) Toluene	9.256	91	4513338	15.894	ppbv	99
54) 1,2-Dibromoethane	10.044	107	2353824	16.491	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.548	131	2134678	14.061	ppbv	99
57) Chlorobenzene	11.565	112	3484375	13.868	ppbv	98
58) Ethyl Benzene	12.127	91	6045839	14.955	ppbv	99
59) m/p-Xylene	12.410	91	10536560m	28.835	ppbv	
60) o-Xylene	13.098	91	4997915	14.381	ppbv	98
61) Styrene	12.934	104	2621855	17.045	ppbv	99
62) Isopropylbenzene	14.069	105	7187181	13.931	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.085	83	3831041	13.969	ppbv	100
64) n-propylbenzene	14.953	120	1922032	14.882	ppbv	96
65) tert-Butylbenzene	16.127	119	6501774	14.427	ppbv	99
66) Benzyl Chloride	16.365	91	543219	18.291	ppbv	99
67) sec-Butylbenzene	16.674	105	9136144	14.060	ppbv	98
69) p-Isopropyltoluene	17.034	119	7552712	14.908	ppbv	99
70) n-Butylbenzene	17.921	91	8143966	14.760	ppbv	98
71) 2-Chlorotoluene	14.838	91	5716339	14.468	ppbv	98
72) 4-Ethyltoluene	15.230	105	5838842	15.230	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	5065552	14.852	ppbv	97
74) 1,2,4-Trimethylbenzene	16.146	105	5589569	14.221	ppbv	97
75) 1,3-Dichlorobenzene	16.371	146	3348586	14.686	ppbv	100
76) 1,4-Dichlorobenzene	16.513	146	3305414	14.882	ppbv	99
77) 1,2-Dichlorobenzene	17.178	146	3287380	14.832	ppbv	99
78) Hexachloro-1,3-Butadiene	22.677	225	2024110	13.751	ppbv	99
79) Naphthalene	21.426	128	5021826	20.340	ppbv	99
80) Naphthalene,2-methyl-	24.406	142	1042788	24.100	ppbv	97
81) 1,2,4-Trichlorobenzene	21.181	180	2391971	16.815	ppbv	99

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

