

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039616.D
 Acq On : 7 Sep 2022 12:51
 Operator : SY/AP
 Sample : VL0907ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0907ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 06:11:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1031735	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2756873	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2559276m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	2020526	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.75	85	858709	6.255	ppbv	98
3) Chlorodifluoromethane	2.70	51	1190153	9.682	ppbv	96
4) Chloromethane	2.83	50	711853	9.614	ppbv	97
5) Vinyl Chloride	2.94	62	611243	10.229	ppbv	95
6) Bromomethane	3.14	94	251383	9.919	ppbv	95
7) Chloroethane	3.22	64	232515	10.385	ppbv	99
8) Dichlorotetrafluoroethane	2.88	85	1336753	9.101	ppbv	94
9) Propene	2.72	41	569365	10.123	ppbv	97
10) Heptane	7.59	43	1412093	10.841	ppbv	99
11) Trichlorofluoromethane	3.58	101	1494978	9.921	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.09	101	1125298	10.097	ppbv	97
13) Ethanol	3.27	45	40971	10.136	ppbv	83
14) Bromoethene	3.39	108	477552	10.487	ppbv	99
15) Acetone	3.49	43	1115360	9.651	ppbv	97
16) 1,3-Butadiene	3.01	39	613465	10.173	ppbv	99
17) tert-Butyl alcohol	3.89	59	1096904	11.121	ppbv	99
18) 1,1-Dichloroethene	3.90	96	499899	9.959	ppbv	99
19) Isopropyl Alcohol	3.59	45	664503	11.819	ppbv #	94
20) Methylene Chloride	3.95	84	428850	9.134	ppbv	95
21) Allyl Chloride	4.01	41	811127	10.789	ppbv	99
22) trans-1,2-Dichloroethene	4.46	96	495710	9.929	ppbv	95
23) Vinyl Acetate	4.64	43	586754	10.677	ppbv	100
24) 1,1-Dichloroethane	4.58	63	1078056	10.598	ppbv	99
25) Ethyl Acetate	5.22	43	2527131	10.219	ppbv	100
26) Hexane	5.23	57	1046338	10.367	ppbv	97
27) Carbon Disulfide	4.14	76	1272078	11.798	ppbv	99
28) Methyl tert-Butyl Ether	4.60	73	914176	10.499	ppbv	97
29) Chloroform	5.29	83	1578857	10.002	ppbv	97
30) Cyclohexane	6.61	84	864075	10.339	ppbv	94
31) cis-1,2-Dichloroethene	5.10	61	1021830	10.452	ppbv	99
32) 1,1,1-Trichloroethane	6.01	97	1534739	11.052	ppbv	100
34) 2-Butanone	4.80	43	1259997	9.193	ppbv	97
35) Carbon Tetrachloride	6.50	117	1617977	10.857	ppbv	97
36) Benzene	6.38	78	2203330	10.485	ppbv	97
37) 1,2-Dichloroethane	5.82	62	1183766	10.226	ppbv	99
38) Trichloroethene	7.30	130	1224676	10.876	ppbv	98
39) 1,2-Dichloropropane	7.09	63	831313	10.521	ppbv	95
40) 1,4-Dioxane	7.30	88	322089	10.412	ppbv	92
41) Tetrahydrofuran	5.57	42	890154	10.872	ppbv	96
42) Bromodichloromethane	7.26	83	1711854	10.807	ppbv	97
43) Methyl Methacrylate	7.49	69	865275	11.418	ppbv	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.34	57	3679937	10.388	ppbv	99
45) t-1,3-Dichloropropene	8.72	75	850216	12.883	ppbv	98
46) cis-1,3-Dichloropropene	8.15	75	1137676	12.446	ppbv	99
47) 1,1,2-Trichloroethane	8.91	97	905047	10.030	ppbv	100
48) Dibromochloromethane	9.72	129	1500788	11.283	ppbv	99
49) Bromoform	12.41	173	1243307	11.285	ppbv	100
50) 4-Methyl-2-Pentanone	8.19	43	2283207	10.693	ppbv	99
51) 2-Hexanone	9.56	43	1772772	11.280	ppbv	99
52) Tetrachloroethene	10.62	164	828985	10.427	ppbv	99
53) Toluene	9.23	91	2595065	11.034	ppbv	99
54) 1,2-Dibromoethane	10.01	107	1088801	10.788	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.52	131	1081165	10.397	ppbv	97
57) Chlorobenzene	11.53	112	1930015	10.108	ppbv #	97
58) Ethyl Benzene	12.10	91	3380997	11.498	ppbv	97
59) m/p-Xylene	12.38	91	5742832m	21.770	ppbv	
60) o-Xylene	13.07	91	2744471	10.839	ppbv	100
61) Styrene	12.90	104	1654449	12.267	ppbv	99
62) Isopropylbenzene	14.03	105	3989952	10.420	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.05	83	1112513	9.278	ppbv	100
64) n-propylbenzene	14.92	120	1041448	10.465	ppbv	98
65) tert-Butylbenzene	16.09	119	3499520	10.281	ppbv	100
66) Benzyl Chloride	16.34	91	346565m	12.535	ppbv	
67) sec-Butylbenzene	16.64	105	4895034	10.154	ppbv	98
69) p-Isopropyltoluene	17.00	119	4085257	10.208	ppbv	100
70) n-Butylbenzene	17.89	91	4075144	10.235	ppbv	99
71) 2-Chlorotoluene	14.81	91	2915151	10.511	ppbv	100
72) 4-Ethyltoluene	15.20	105	3232015	10.916	ppbv	98
73) 1,3,5-Trimethylbenzene	15.36	105	2872101	10.615	ppbv	95
74) 1,2,4-Trimethylbenzene	16.11	105	3073392	10.194	ppbv	99
75) 1,3-Dichlorobenzene	16.34	146	1872254	10.214	ppbv	99
76) 1,4-Dichlorobenzene	16.48	146	1792494	9.815	ppbv	100
77) 1,2-Dichlorobenzene	17.15	146	1751523	9.758	ppbv	100
78) Hexachloro-1,3-Butadiene	22.63	225	1464080	10.242	ppbv	99
79) Naphthalene	21.39	128	3063964	14.270	ppbv	98
80) Naphthalene, 2-methyl-	24.38	142	1103695	12.666	ppbv	96
81) 1,2,4-Trichlorobenzene	21.15	180	1685209	11.754	ppbv	99

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

