

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038796.D
 Acq On : 30 Mar 2022 15:25
 Operator : SY/AP
 Sample : VL0330ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0330ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/02/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Mar 31 04:19:04 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	804427	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2163668	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2066850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1509198	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	927633	8.578	ppbv	99
3) Chlorodifluoromethane	2.99	51	858808	10.108	ppbv	98
4) Chloromethane	3.14	50	469997	10.076	ppbv	100
5) Vinyl Chloride	3.26	62	494440	10.432	ppbv	97
6) Bromomethane	3.47	94	292164	11.563	ppbv	95
7) Chloroethane	3.56	64	175970	11.215	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1168982	10.827	ppbv	99
9) Propene	3.01	41	385740	9.404	ppbv	99
10) Heptane	8.11	43	1004326	10.243	ppbv	98
11) Trichlorofluoromethane	3.95	101	1124110	11.778	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	880312	11.982	ppbv	100
13) Ethanol	3.60	45	42903m	9.482	ppbv	
14) Bromoethene	3.74	108	377257	11.554	ppbv	100
15) Acetone	3.84	43	750932	10.819	ppbv	99
16) 1,3-Butadiene	3.33	39	426343	10.823	ppbv	98
17) tert-Butyl alcohol	4.28	59	780404	12.873	ppbv	100
18) 1,1-Dichloroethene	4.29	96	402055	12.181	ppbv	99
19) Isopropyl Alcohol	3.96	45	427898	11.119	ppbv	100
20) Methylene Chloride	4.34	84	322825	11.042	ppbv	98
21) Allyl Chloride	4.41	41	594313	11.897	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	432026	12.619	ppbv	98
23) Vinyl Acetate	5.06	43	835557	12.431	ppbv	99
24) 1,1-Dichloroethane	5.01	63	795927	12.024	ppbv	100
25) Ethyl Acetate	5.67	43	1808355	10.349	ppbv	99
26) Hexane	5.68	57	812320	10.384	ppbv	97
27) Carbon Disulfide	4.55	76	1026157	13.372	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	745472	12.793	ppbv	98
29) Chloroform	5.74	83	1339127	10.691	ppbv	99
30) Cyclohexane	7.12	84	686334	10.090	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	796845	10.833	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1323411	10.949	ppbv	99
34) 2-Butanone	5.23	43	918526	10.726	ppbv	99
35) Carbon Tetrachloride	7.01	117	1397697	11.133	ppbv	99
36) Benzene	6.88	78	1713271	10.260	ppbv	99
37) 1,2-Dichloroethane	6.30	62	921475	10.848	ppbv	99
38) Trichloroethene	7.82	130	745074	10.651	ppbv	98
39) 1,2-Dichloropropane	7.60	63	644395	9.871	ppbv	97
40) 1,4-Dioxane	7.82	88	230608	10.172	ppbv	95
41) Tetrahydrofuran	6.04	42	648264	10.171	ppbv	97
42) Bromodichloromethane	7.78	83	1410244	11.073	ppbv	99
43) Methyl Methacrylate	8.00	69	687227	11.085	ppbv	96

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QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	2787770	9.943	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	797122	12.646	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	995096	11.674	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	709641	10.182	ppbv	99
48) Dibromochloromethane	10.29	129	1265614	11.593	ppbv	100
49) Bromoform	13.02	173	1049148	11.791	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	1636663	10.280	ppbv	98
51) 2-Hexanone	10.12	43	1277390	11.170	ppbv #	100
52) Tetrachloroethene	11.21	164	629883	10.308	ppbv	98
53) Toluene	9.79	91	1961722	10.933	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1049433	11.027	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	875611	10.218	ppbv	98
57) Chlorobenzene	12.13	112	1453673	9.752	ppbv	100
58) Ethyl Benzene	12.70	91	2543909	10.528	ppbv	99
59) m/p-Xylene	12.98	91	4329997m	20.486	ppbv	
60) o-Xylene	13.68	91	2065278	10.291	ppbv	100
61) Styrene	13.51	104	1227127	11.276	ppbv	99
62) Isopropylbenzene	14.65	105	2997372	9.935	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1375594	8.849	ppbv	100
64) n-propylbenzene	15.55	120	808540	10.213	ppbv	97
65) tert-Butylbenzene	16.73	119	2734827	10.088	ppbv	98
66) Benzyl Chloride	16.97	91	715164	13.932	ppbv	100
67) sec-Butylbenzene	17.28	105	3907601	10.079	ppbv	100
69) p-Isopropyltoluene	17.64	119	3270233	10.335	ppbv	99
70) n-Butylbenzene	18.54	91	3422815	10.488	ppbv	100
71) 2-Chlorotoluene	15.44	91	2252384	10.058	ppbv	99
72) 4-Ethyltoluene	15.82	105	2461832	10.392	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	2207826	10.227	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	2385218	10.144	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	1496503	9.992	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1479877	9.936	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1468360	9.897	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1238908	9.035	ppbv	100
79) Naphthalene	22.18	128	2250225	12.526	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	539928	11.209	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	1311951	10.668	ppbv	100

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

