

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037911.D
 Acq On : 27 Oct 2021 11:15
 Operator : SY/AP
 Sample : VL1027ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1027ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 05:59:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1521500	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	4459136	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3875585m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2874659	10.61	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1756414	7.227	ppbv	98
3) Chlorodifluoromethane	3.01	51	2607042	8.918	ppbv	99
4) Chloromethane	3.16	50	1021015	9.535	ppbv	97
5) Vinyl Chloride	3.28	62	961522	9.796	ppbv	99
6) Bromomethane	3.49	94	441192	8.309	ppbv	91
7) Chloroethane	3.58	64	356611	9.881	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2215868	9.225	ppbv	99
9) Propene	3.02	41	959911	8.924	ppbv	100
10) Heptane	8.15	43	2448112	10.021	ppbv	100
11) Trichlorofluoromethane	3.97	101	2029319	9.359	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1506896	9.172	ppbv	99
13) Ethanol	3.63	45	91569	10.409	ppbv	85
14) Bromoethene	3.76	108	682108	9.443	ppbv	96
15) Acetone	3.87	43	1460630	10.694	ppbv	99
16) 1,3-Butadiene	3.35	39	952270	9.582	ppbv	100
17) tert-Butyl alcohol	4.31	59	1338777	9.517	ppbv	98
18) 1,1-Dichloroethene	4.31	96	701779	9.400	ppbv	97
19) Isopropyl Alcohol	3.98	45	789330	9.289	ppbv #	94
20) Methylene Chloride	4.37	84	576604	8.355	ppbv	98
21) Allyl Chloride	4.43	41	1115067	9.215	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	713857	9.510	ppbv	95
23) Vinyl Acetate	5.10	43	1946020	9.507	ppbv #	97
24) 1,1-Dichloroethane	5.03	63	1430205	9.599	ppbv	100
25) Ethyl Acetate	5.70	43	3726897	9.724	ppbv	99
26) Hexane	5.71	57	1745175	9.247	ppbv	98
27) Carbon Disulfide	4.57	76	1786304	10.680	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1387459	8.830	ppbv	100
29) Chloroform	5.77	83	2482843	9.204	ppbv	98
30) Cyclohexane	7.15	84	1479755	9.246	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1601619	9.348	ppbv	99
32) 1,1,1-Trichloroethane	6.54	97	2361380	9.233	ppbv	100
34) 2-Butanone	5.27	43	1650379	9.168	ppbv	100
35) Carbon Tetrachloride	7.04	117	2459021	9.710	ppbv	99
36) Benzene	6.92	78	3651567	9.587	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1746690	9.740	ppbv	100
38) Trichloroethene	7.86	130	1449569	9.634	ppbv	93
39) 1,2-Dichloropropane	7.64	63	1385789	9.673	ppbv	95
40) 1,4-Dioxane	7.86	88	330132	9.209	ppbv #	100
41) Tetrahydrofuran	6.08	42	853028	9.677	ppbv	97
42) Bromodichloromethane	7.82	83	2594735	9.850	ppbv	99
43) Methyl Methacrylate	8.04	69	1288071	10.354	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6158281	9.624	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	865744	10.114	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1219707	10.280	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1490233	9.569	ppbv	97
48) Dibromochloromethane	10.33	129	2342895	10.553	ppbv	100
49) Bromoform	13.07	173	1920639	11.306	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	2402392	10.251	ppbv	100
51) 2-Hexanone	10.16	43	1104014	10.553	ppbv #	100
52) Tetrachloroethene	11.25	164	1322424	8.924	ppbv	96
53) Toluene	9.83	91	4214565	9.985	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2054721	9.767	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1631814	10.171	ppbv	95
57) Chlorobenzene	12.17	112	3201657	10.070	ppbv	96
58) Ethyl Benzene	12.73	91	5438216	10.450	ppbv	99
59) m/p-Xylene	13.02	91	9279337m	20.772	ppbv	
60) o-Xylene	13.72	91	4414313	10.311	ppbv	99
61) Styrene	13.55	104	2389438	11.539	ppbv	98
62) Isopropylbenzene	14.69	105	5997219	10.043	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3201636	9.691	ppbv	99
64) n-propylbenzene	15.59	120	1611737	10.824	ppbv	98
65) tert-Butylbenzene	16.76	119	5404656	10.285	ppbv	99
66) Benzyl Chloride	17.01	91	292922	11.295	ppbv #	99
67) sec-Butylbenzene	17.32	105	7620296	10.603	ppbv	100
69) p-Isopropyltoluene	17.67	119	6436423	11.078	ppbv	100
70) n-Butylbenzene	18.57	91	6425014	11.640	ppbv	100
71) 2-Chlorotoluene	15.48	91	4442804	10.536	ppbv	100
72) 4-Ethyltoluene	15.86	105	5487307	11.288	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4908548	11.117	ppbv	95
74) 1,2,4-Trimethylbenzene	16.79	105	5048422	10.888	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	3142436	10.939	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3066802	11.191	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3015927	10.929	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2210935	9.812	ppbv	99
79) Naphthalene	22.22	128	3689393m	12.992	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	856315	11.230	ppbv	100
81) 1,2,4-Trichlorobenzene	21.95	180	2200791	12.117	ppbv	99

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

