

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036851.D
 Acq On : 27 Apr 2021 8:24
 Operator : SY/AP
 Sample : VL0427ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0427ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/28/2021
 Supervised By : Mahesh Dadoda 04/29/2021

Quant Time: Apr 28 05:46:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1528115	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3925934	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3636515m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3018872	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2243962	9.324	ppbv 99
3) Chlorodifluoromethane	2.98	51	2597103	9.330	ppbv 100
4) Chloromethane	3.14	50	872232	9.534	ppbv 93
5) Vinyl Chloride	3.25	62	858781	9.306	ppbv 96
6) Bromomethane	3.47	94	473014	9.532	ppbv 98
7) Chloroethane	3.56	64	299508	9.877	ppbv 95
8) Dichlorotetrafluoroethane	3.18	85	2086309	9.504	ppbv 99
9) Propene	3.01	41	810554	9.556	ppbv 98
10) Heptane	8.12	43	2162063	10.135	ppbv 98
11) Trichlorofluoromethane	3.94	101	2023663	9.420	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1381293	9.607	ppbv 99
13) Ethanol	3.61	45	81862m	7.568	ppbv
14) Bromoethene	3.74	108	588346	10.016	ppbv 99
15) Acetone	3.85	43	1150654	7.989	ppbv 99
16) 1,3-Butadiene	3.32	39	907981	9.859	ppbv 98
17) tert-Butyl alcohol	4.29	59	1125785	9.630	ppbv 98
18) 1,1-Dichloroethene	4.28	96	602297	9.639	ppbv 97
19) Isopropyl Alcohol	3.97	45	601686	8.431	ppbv 99
20) Methylene Chloride	4.34	84	505368	7.337	ppbv 95
21) Allyl Chloride	4.41	41	1017800	9.510	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	620673	9.898	ppbv 99
23) Vinyl Acetate	5.07	43	1831085	9.346	ppbv 97
24) 1,1-Dichloroethane	5.00	63	1316668	9.467	ppbv 98
25) Ethyl Acetate	5.67	43	3293186	9.360	ppbv 99
26) Hexane	5.68	57	1509649	9.171	ppbv 97
27) Carbon Disulfide	4.55	76	1561587	10.922	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1289424	8.838	ppbv 98
29) Chloroform	5.74	83	2439922	9.508	ppbv 98
30) Cyclohexane	7.12	84	1320363	10.115	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	1480699	10.022	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	2457613	9.418	ppbv 100
34) 2-Butanone	5.24	43	1600223	9.305	ppbv 99
35) Carbon Tetrachloride	7.01	117	2597822	9.752	ppbv 95
36) Benzene	6.89	78	3234708	9.779	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1865274	9.958	ppbv 99
38) Trichloroethene	7.83	130	1181819	10.035	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1265319	9.548	ppbv 96
40) 1,4-Dioxane	7.83	88	285867	8.933	ppbv 90
41) Tetrahydrofuran	6.05	42	758886	10.088	ppbv 99
42) Bromodichloromethane	7.78	83	2603855	10.005	ppbv 97
43) Methyl Methacrylate	8.01	69	1141663	10.577	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5409328	9.542	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1271914	10.931	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1599086	10.719	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1286936	9.380	ppbv	98
48) Dibromochloromethane	10.30	129	2119368	10.425	ppbv	99
49) Bromoform	13.03	173	1707591	10.521	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2444318	10.398	ppbv	100
51) 2-Hexanone	10.13	43	1238807	10.566	ppbv #	99
52) Tetrachloroethene	11.22	164	1080044	9.589	ppbv	96
53) Toluene	9.80	91	3595737	10.389	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1869161	9.650	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1426741	9.358	ppbv	99
57) Chlorobenzene	12.14	112	2659555	9.390	ppbv	99
58) Ethyl Benzene	12.70	91	4791970	10.389	ppbv	99
59) m/p-Xylene	12.99	91	8117593m	19.691	ppbv	
60) o-Xylene	13.69	91	3855263	9.672	ppbv	99
61) Styrene	13.52	104	2189587	11.697	ppbv	100
62) Isopropylbenzene	14.66	105	5197982	9.585	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2836108	8.876	ppbv	99
64) n-propylbenzene	15.55	120	1367412	10.117	ppbv	100
65) tert-Butylbenzene	16.74	119	4603933	9.602	ppbv	100
66) Benzyl Chloride	16.99	91	433019	9.236	ppbv	99
67) sec-Butylbenzene	17.29	105	6487373	9.743	ppbv	100
69) p-Isopropyltoluene	17.65	119	5300251	9.929	ppbv	99
70) n-Butylbenzene	18.54	91	5415376	10.065	ppbv	100
71) 2-Chlorotoluene	15.45	91	3997706	9.953	ppbv	99
72) 4-Ethyltoluene	15.83	105	4578561	10.702	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4128537	9.950	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4228938	9.595	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2437086	9.354	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2341848	9.185	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2358336	9.267	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1691600	7.823	ppbv	99
79) Naphthalene	22.19	128	2559312	10.368	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	244068	8.966	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	1511636	9.468	ppbv	99

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

