

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036907.D
 Acq On : 6 May 2021 17:19
 Operator : SY/AP
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0506ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/08/2021
 Supervised By : Mahesh Dadoda 05/10/2021

Quant Time: May 07 09:04:16 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	5.67	49	1433050	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3553862	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3442685	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2837795	10.27	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	2392291	10.600	ppbv	100
3) Chlorodifluoromethane	2.99	51	2794257	10.705	ppbv	99
4) Chloromethane	3.15	50	966757	11.268	ppbv	92
5) Vinyl Chloride	3.26	62	941274	10.877	ppbv	95
6) Bromomethane	3.48	94	539118	11.585	ppbv	97
7) Chloroethane	3.56	64	312367	10.984	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2298131	11.164	ppbv	96
9) Propene	3.01	41	850416	10.691	ppbv	98
10) Heptane	8.13	43	2286819	11.431	ppbv	96
11) Trichlorofluoromethane	3.96	101	2192538	10.883	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1447722	10.737	ppbv	99
13) Ethanol	3.62	45	76964	7.587	ppbv	98
14) Bromoethene	3.75	108	622630	11.303	ppbv	98
15) Acetone	3.86	43	1242857	9.202	ppbv	100
16) 1,3-Butadiene	3.33	39	916326	10.609	ppbv	97
17) tert-Butyl alcohol	4.30	59	1115350	10.173	ppbv	97
18) 1,1-Dichloroethene	4.29	96	621895	10.613	ppbv	99
19) Isopropyl Alcohol	3.98	45	643102	9.609	ppbv	100
20) Methylene Chloride	4.35	84	517450	8.011	ppbv	94
21) Allyl Chloride	4.42	41	1039024	10.352	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	613046	10.425	ppbv	98
23) Vinyl Acetate	5.08	43	2291083	12.470	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1709384	13.106	ppbv	98
25) Ethyl Acetate	5.69	43	3483075	10.557	ppbv	99
26) Hexane	5.69	57	1629039	10.553	ppbv	96
27) Carbon Disulfide	4.56	76	1604649	11.968	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1805858	13.199	ppbv	99
29) Chloroform	5.76	83	2699398	11.217	ppbv	98
30) Cyclohexane	7.14	84	1379264	11.267	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1566963	11.309	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2649960	10.829	ppbv	99
34) 2-Butanone	5.25	43	1668756	10.719	ppbv	99
35) Carbon Tetrachloride	7.02	117	2800600	11.614	ppbv	98
36) Benzene	6.90	78	3425265	11.439	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1970656	11.622	ppbv	99
38) Trichloroethene	7.84	130	1260969	11.828	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1361312	11.348	ppbv	92
40) 1,4-Dioxane	7.85	88	288080	9.945	ppbv #	1
41) Tetrahydrofuran	6.06	42	782240	11.487	ppbv	100
42) Bromodichloromethane	7.80	83	2831438	12.018	ppbv	98
43) Methyl Methacrylate	8.02	69	1222424	12.511	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5882182	11.463	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1351743	12.834	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1688577	12.504	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1425499	11.478	ppbv	98
48) Dibromochloromethane	10.31	129	2283784	12.410	ppbv	100
49) Bromoform	13.05	173	1909952	13.000	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2604171	12.238	ppbv	100
51) 2-Hexanone	10.15	43	1298843	12.238	ppbv #	100
52) Tetrachloroethene	11.23	164	1141065	11.191	ppbv	97
53) Toluene	9.82	91	3807807	12.153	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1984506	11.318	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1591021	11.024	ppbv #	63
57) Chlorobenzene	12.15	112	2858744	10.661	ppbv	96
58) Ethyl Benzene	12.72	91	5165205	11.829	ppbv	98
59) m/p-Xylene	13.00	91	8860854m	22.704	ppbv	
60) o-Xylene	13.70	91	4221981	11.188	ppbv	100
61) Styrene	13.53	104	2347854	13.249	ppbv	99
62) Isopropylbenzene	14.67	105	5647125	10.999	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3146114	10.400	ppbv	100
64) n-propylbenzene	15.57	120	1477766	11.549	ppbv	98
65) tert-Butylbenzene	16.75	119	4963420	10.934	ppbv	98
66) Benzyl Chloride	16.99	91	485031	10.928	ppbv	99
67) sec-Butylbenzene	17.30	105	7031226	11.154	ppbv	100
69) p-Isopropyltoluene	17.66	119	5762194	11.403	ppbv	99
70) n-Butylbenzene	18.56	91	5928220	11.639	ppbv	100
71) 2-Chlorotoluene	15.46	91	4382185	11.525	ppbv	99
72) 4-Ethyltoluene	15.84	105	4833299	11.933	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4490806	11.433	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4667286	11.186	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2659291	10.782	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2617761	10.845	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2551444	10.591	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1819815	8.890	ppbv	99
79) Naphthalene	22.20	128	2766667	11.840	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	201390	7.815	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1642623	10.867	ppbv	99

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

