

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038081.D
 Acq On : 19 Nov 2021 12:23
 Operator : SY/AP
 Sample : VL1119ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1119ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 22 06:53:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	790849	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2304572	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2059086m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1596715	10.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1098713	8.411 ppbv	96
3) Chlorodifluoromethane	2.98	51	1640596	9.878 ppbv	100
4) Chloromethane	3.13	50	567813	10.043 ppbv	100
5) Vinyl Chloride	3.25	62	565915	10.203 ppbv	98
6) Bromomethane	3.46	94	303468	10.214 ppbv	98
7) Chloroethane	3.55	64	187583	9.530 ppbv	90
8) Dichlorotetrafluoroethane	3.18	85	1305886	10.049 ppbv	97
9) Propene	3.01	41	590606	9.656 ppbv	99
10) Heptane	8.10	43	1449544	9.589 ppbv	100
11) Trichlorofluoromethane	3.94	101	1243858	10.012 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	875143	9.958 ppbv	99
13) Ethanol	3.59	45	52400m	8.865 ppbv	
14) Bromoethene	3.73	108	403420	10.251 ppbv	95
15) Acetone	3.84	43	640322	9.339 ppbv	99
16) 1,3-Butadiene	3.32	39	538844	10.073 ppbv	98
17) tert-Butyl alcohol	4.27	59	773182	9.296 ppbv	99
18) 1,1-Dichloroethene	4.28	96	402056	9.973 ppbv	96
19) Isopropyl Alcohol	3.95	45	449968	9.082 ppbv	# 97
20) Methylene Chloride	4.33	84	339840	8.849 ppbv	97
21) Allyl Chloride	4.40	41	629939	9.925 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	399809	9.791 ppbv	98
23) Vinyl Acetate	5.06	43	979494	9.868 ppbv	98
24) 1,1-Dichloroethane	5.00	63	827402	10.010 ppbv	99
25) Ethyl Acetate	5.66	43	2185732	9.591 ppbv	99
26) Hexane	5.67	57	1062174	9.670 ppbv	96
27) Carbon Disulfide	4.54	76	997212	10.135 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	911591	9.770 ppbv	100
29) Chloroform	5.73	83	1606746	9.925 ppbv	99
30) Cyclohexane	7.11	84	935487	9.381 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1058514	10.131 ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	1619145	9.855 ppbv	99
34) 2-Butanone	5.23	43	964419	10.378 ppbv	99
35) Carbon Tetrachloride	7.00	117	1664404	10.279 ppbv	97
36) Benzene	6.87	78	2282031	9.927 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1201739	10.824 ppbv	99
38) Trichloroethene	7.82	130	821088	9.469 ppbv	96
39) 1,2-Dichloropropane	7.59	63	884310	10.028 ppbv	97
40) 1,4-Dioxane	7.82	88	205227	8.933 ppbv	# 1
41) Tetrahydrofuran	6.03	42	566831	9.826 ppbv	99
42) Bromodichloromethane	7.77	83	1750337	10.370 ppbv	100
43) Methyl Methacrylate	7.99	69	845501	10.750 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3685134	9.581	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	720863	11.427	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	921793	10.803	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	903366	9.781	ppbv	95
48) Dibromochloromethane	10.28	129	1462839	10.401	ppbv	98
49) Bromoform	13.01	173	1065533	10.590	ppbv	97
50) 4-Methyl-2-Pentanone	8.72	43	1470049	10.417	ppbv	99
51) 2-Hexanone	10.11	43	679208	10.230	ppbv #	100
52) Tetrachloroethene	11.20	164	741823	8.721	ppbv	98
53) Toluene	9.78	91	2579711	9.753	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1310935	10.049	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	930469	9.954	ppbv	97
57) Chlorobenzene	12.12	112	1806750	9.790	ppbv	98
58) Ethyl Benzene	12.69	91	3365851	9.890	ppbv	99
59) m/p-Xylene	12.97	91	5478904m	19.124	ppbv	
60) o-Xylene	13.67	91	2482340	9.340	ppbv	99
61) Styrene	13.50	104	1412604	9.914	ppbv	96
62) Isopropylbenzene	14.64	105	3586526	9.507	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	1779861	9.016	ppbv	99
64) n-propylbenzene	15.54	120	920891	9.582	ppbv	95
65) tert-Butylbenzene	16.72	119	3001001	9.029	ppbv	99
66) Benzyl Chloride	16.96	91	144073	8.553	ppbv	96
67) sec-Butylbenzene	17.27	105	4220865	9.114	ppbv	100
69) p-Isopropyltoluene	17.63	119	3395303	9.372	ppbv	99
70) n-Butylbenzene	18.52	91	3331514	9.618	ppbv	99
71) 2-Chlorotoluene	15.43	91	2627142	9.525	ppbv	98
72) 4-Ethyltoluene	15.81	105	2942770	9.550	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2655774	9.437	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2701745	9.316	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	1517768	9.528	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1469433	9.167	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1420947	9.213	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	782431	8.125	ppbv	99
79) Naphthalene	22.16	128	1517815	9.938	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	379743	11.602	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	815109	9.288	ppbv	97

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

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