

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038186.D
 Acq On : 16 Dec 2021 12:35
 Operator : SY/AP
 Sample : VL1216ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1216ABS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021

Quant Time: Dec 17 07:00:06 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	5.66	49	1075087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2864615	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2712658m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2142116	10.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1525541	8.591 ppbv	98
3) Chlorodifluoromethane	2.99	51	1929621	8.547 ppbv	98
4) Chloromethane	3.14	50	655601	8.530 ppbv	99
5) Vinyl Chloride	3.26	62	650221	8.624 ppbv	100
6) Bromomethane	3.48	94	361504	8.950 ppbv	95
7) Chloroethane	3.56	64	227559	8.504 ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1549396	8.771 ppbv	93
9) Propene	3.02	41	651347	7.834 ppbv	97
10) Heptane	8.12	43	1654128	8.049 ppbv	99
11) Trichlorofluoromethane	3.95	101	1515113	8.971 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1078283	9.026 ppbv	97
13) Ethanol	3.61	45	63544m	7.908 ppbv	
14) Bromoethene	3.74	108	461854	8.633 ppbv	98
15) Acetone	3.85	43	804810	8.634 ppbv	98
16) 1,3-Butadiene	3.33	39	640461	8.807 ppbv	94
17) tert-Butyl alcohol	4.29	59	925478	8.185 ppbv	100
18) 1,1-Dichloroethene	4.29	96	481061	8.778 ppbv	95
19) Isopropyl Alcohol	3.96	45	522446	7.757 ppbv #	97
20) Methylene Chloride	4.34	84	409847	7.850 ppbv	97
21) Allyl Chloride	4.41	41	710956	8.240 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	510726	9.200 ppbv	97
23) Vinyl Acetate	5.07	43	1148994	8.515 ppbv	99
24) 1,1-Dichloroethane	5.01	63	978304	8.707 ppbv	99
25) Ethyl Acetate	5.67	43	2575415	8.313 ppbv	99
26) Hexane	5.68	57	1179394	7.899 ppbv	98
27) Carbon Disulfide	4.55	76	1197865	8.956 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1040881	8.206 ppbv	100
29) Chloroform	5.75	83	1895601	8.614 ppbv	100
30) Cyclohexane	7.13	84	992183	7.319 ppbv	91
31) cis-1,2-Dichloroethene	5.55	61	1196363	8.423 ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	1844535	8.259 ppbv	97
34) 2-Butanone	5.24	43	1132846	9.807 ppbv	96
35) Carbon Tetrachloride	7.02	117	1907595	9.478 ppbv	99
36) Benzene	6.89	78	2488344	8.708 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1438867	10.426 ppbv	96
38) Trichloroethene	7.83	130	888447	8.243 ppbv	96
39) 1,2-Dichloropropane	7.61	63	985034	8.986 ppbv	95
40) 1,4-Dioxane	7.83	88	230331	8.065 ppbv #	1
41) Tetrahydrofuran	6.05	42	645636	9.004 ppbv	96
42) Bromodichloromethane	7.79	83	2098180	10.000 ppbv	99
43) Methyl Methacrylate	8.01	69	943792	9.654 ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4132222	8.643	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	849168	10.829	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1063395	10.026	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	995261	8.670	ppbv	94
48) Dibromochloromethane	10.30	129	1695373	9.697	ppbv	100
49) Bromoform	13.03	173	1285442	10.278	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1781956	10.158	ppbv	97
51) 2-Hexanone	10.13	43	849695	10.296	ppbv #	95
52) Tetrachloroethene	11.22	164	815914	7.717	ppbv	99
53) Toluene	9.80	91	2820200	8.578	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1478289	9.116	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1093914	8.883	ppbv	96
57) Chlorobenzene	12.14	112	2000953	8.230	ppbv	93
58) Ethyl Benzene	12.71	91	3793840	8.462	ppbv	98
59) m/p-Xylene	12.99	91	6296348m	16.683	ppbv	
60) o-Xylene	13.69	91	2956098	8.443	ppbv	94
61) Styrene	13.53	104	1609033	8.572	ppbv	96
62) Isopropylbenzene	14.66	105	3967478	7.983	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2185980	8.406	ppbv	99
64) n-propylbenzene	15.56	120	1032575	8.156	ppbv	91
65) tert-Butylbenzene	16.74	119	3460957	7.904	ppbv	95
66) Benzyl Chloride	16.99	91	204432	9.212	ppbv #	94
67) sec-Butylbenzene	17.29	105	4895938	8.025	ppbv	100
69) p-Isopropyltoluene	17.65	119	3999632	8.381	ppbv	98
70) n-Butylbenzene	18.55	91	4189767	9.182	ppbv	98
71) 2-Chlorotoluene	15.45	91	3115957	8.575	ppbv	96
72) 4-Ethyltoluene	15.83	105	3438352	8.470	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	3074699	8.293	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	3234508	8.466	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	1802228	8.588	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	1740311	8.241	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1768902	8.706	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1051433	8.288	ppbv	99
79) Naphthalene	22.18	128	2041288	10.145	ppbv	100
80) Naphthalene,2-methyl-	24.97	142	435829m	10.107	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	1115510	9.648	ppbv	98

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

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