

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021622\
 Data File : VL038365.D
 Acq On : 16 Feb 2022 14:01
 Operator : SY/AP
 Sample : VL0216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0216ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 06:32:57 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	872462	10.00	ppbv	-0.05
33) 1,4-Difluorobenzene	7.13	114	2166063	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	2017023m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1678913	10.97	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1374676	7.40	ppbv	98
3) Chlorodifluoromethane	2.97	51	1521453	8.76	ppbv	99
4) Chloromethane	3.12	50	508324	8.51	ppbv	98
5) Vinyl Chloride	3.23	62	532516	8.93	ppbv	96
6) Bromomethane	3.45	94	298545	9.26	ppbv	98
7) Chloroethane	3.54	64	181366	9.00	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1273070	8.86	ppbv	98
9) Propene	2.99	41	501759	8.87	ppbv	98
10) Heptane	8.08	43	1287732	8.85	ppbv	100
11) Trichlorofluoromethane	3.92	101	1303004	9.01	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	946533	8.65	ppbv	98
13) Ethanol	3.58	45	38742	6.38	ppbv	89
14) Bromoethene	3.71	108	391476	9.16	ppbv	99
15) Acetone	3.82	43	613390	7.98	ppbv	99
16) 1,3-Butadiene	3.30	39	515883	9.35	ppbv	97
17) tert-Butyl alcohol	4.25	59	777913	9.22	ppbv	97
18) 1,1-Dichloroethene	4.26	96	418992	8.81	ppbv	95
19) Isopropyl Alcohol	3.94	45	413520	8.59	ppbv #	98
20) Methylene Chloride	4.32	84	341474	7.63	ppbv	96
21) Allyl Chloride	4.38	41	623030	9.16	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	444380	9.04	ppbv	98
23) Vinyl Acetate	5.04	43	976853	8.74	ppbv	98
24) 1,1-Dichloroethane	4.98	63	874327	8.78	ppbv	99
25) Ethyl Acetate	5.64	43	1974093	9.17	ppbv	100
26) Hexane	5.65	57	920608	9.19	ppbv	99
27) Carbon Disulfide	4.52	76	1046464	8.93	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	931300	8.96	ppbv	100
29) Chloroform	5.72	83	1491943	9.13	ppbv	100
30) Cyclohexane	7.09	84	785188	9.00	ppbv	100
31) cis-1,2-Dichloroethene	5.51	61	894827	10.24	ppbv	98
32) 1,1,1-Trichloroethane	6.47	97	1488170	9.11	ppbv	99
34) 2-Butanone	5.21	43	656029	9.26	ppbv	100
35) Carbon Tetrachloride	6.98	117	1545528	10.16	ppbv	96
36) Benzene	6.85	78	1918438	10.01	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1120811	10.21	ppbv	99
38) Trichloroethene	7.79	130	690359	9.67	ppbv	96
39) 1,2-Dichloropropane	7.57	63	761458	9.80	ppbv	98
40) 1,4-Dioxane	7.79	88	168957	9.04	ppbv	97
41) Tetrahydrofuran	6.01	42	478931	10.06	ppbv	99
42) Bromodichloromethane	7.75	83	1598998	9.82	ppbv	99
43) Methyl Methacrylate	7.97	69	719430	10.62	ppbv	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3270413	9.69	ppbv	100
45) t-1,3-Dichloropropene	9.24	75	565495	10.27	ppbv	99
46) cis-1,3-Dichloropropene	8.66	75	712022	9.69	ppbv	100
47) 1,1,2-Trichloroethane	9.43	97	743113	9.74	ppbv	97
48) Dibromochloromethane	10.26	129	1248641	9.72	ppbv	99
49) Bromoform	12.99	173	838866	9.06	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1269301	10.04	ppbv	100
51) 2-Hexanone	10.09	43	528780	9.50	ppbv #	97
52) Tetrachloroethene	11.18	164	587584	8.90	ppbv	96
53) Toluene	9.76	91	2110532	9.95	ppbv	99
54) 1,2-Dibromoethane	10.56	107	1055699	9.73	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.08	131	798989	9.05	ppbv #	57
57) Chlorobenzene	12.10	112	1417300	8.78	ppbv	98
58) Ethyl Benzene	12.66	91	2716767	9.16	ppbv	100
59) m/p-Xylene	12.95	91	4509802m	17.83	ppbv	
60) o-Xylene	13.64	91	2086640	8.87	ppbv	99
61) Styrene	13.48	104	1027154	9.36	ppbv	98
62) Isopropylbenzene	14.62	105	2754772	8.78	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.63	83	1423921	8.18	ppbv	99
64) n-propylbenzene	15.51	120	672772	8.92	ppbv	95
65) tert-Butylbenzene	16.70	119	2249687	8.71	ppbv	99
66) Benzyl Chloride	16.94	91	70253	5.99	ppbv	96
67) sec-Butylbenzene	17.25	105	3134196	8.72	ppbv	100
69) p-Isopropyltoluene	17.61	119	2521460	9.17	ppbv	99
70) n-Butylbenzene	18.50	91	2604651	9.67	ppbv	99
71) 2-Chlorotoluene	15.40	91	2006432	8.64	ppbv	100
72) 4-Ethyltoluene	15.79	105	2243259	9.12	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	1956303	8.84	ppbv	97
74) 1,2,4-Trimethylbenzene	16.72	105	2029586	8.71	ppbv	97
75) 1,3-Dichlorobenzene	16.95	146	1091086	8.72	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1043865	8.62	ppbv	97
77) 1,2-Dichlorobenzene	17.77	146	1020858	8.79	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	834816	10.34	ppbv	99
79) Naphthalene	22.14	128	1583022	14.53	ppbv	99
80) Naphthalene,2-methyl-	24.93	142	265208	22.38	ppbv	95
81) 1,2,4-Trichlorobenzene	21.87	180	843909	13.17	ppbv	100

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

