

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
 Data File : VL037855.D
 Acq On : 18 Oct 2021 16:19
 Operator : SY/AP
 Sample : VL1018ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1018ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/27/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Quant Time: Oct 21 12:14:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1368731	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4049696	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3683322m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2549462	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1531576m	7.005	ppbv
3) Chlorodifluoromethane	3.00	51	2540533	9.660	ppbv 99
4) Chloromethane	3.15	50	953490	9.899	ppbv 96
5) Vinyl Chloride	3.27	62	961769	10.892	ppbv 96
6) Bromomethane	3.48	94	478613	10.020	ppbv 99
7) Chloroethane	3.57	64	331698	10.216	ppbv 95
8) Dichlorotetrafluoroethane	3.20	85	2161458	10.003	ppbv 98
9) Propene	3.02	41	916377	9.470	ppbv 99
10) Heptane	8.13	43	2314084	10.530	ppbv 100
11) Trichlorofluoromethane	3.96	101	2022979	10.371	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1512264	10.232	ppbv 100
13) Ethanol	3.62	45	85386	10.790	ppbv 84
14) Bromoethene	3.74	108	695366	10.701	ppbv 94
15) Acetone	3.86	43	1125352	9.159	ppbv 99
16) 1,3-Butadiene	3.33	39	933239	10.439	ppbv 99
17) tert-Butyl alcohol	4.29	59	1281927	10.130	ppbv 99
18) 1,1-Dichloroethene	4.30	96	675705	10.060	ppbv 95
19) Isopropyl Alcohol	3.97	45	744678	9.742	ppbv # 94
20) Methylene Chloride	4.35	84	574627	9.256	ppbv 93
21) Allyl Chloride	4.42	41	1087775	9.993	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	699512	10.359	ppbv 99
23) Vinyl Acetate	5.08	43	1921763	10.437	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1411035	10.527	ppbv 98
25) Ethyl Acetate	5.68	43	3529711	10.237	ppbv 99
26) Hexane	5.70	57	1706343	10.051	ppbv 99
27) Carbon Disulfide	4.56	76	1718568	11.422	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	1395204	9.870	ppbv 99
29) Chloroform	5.76	83	2446554	10.081	ppbv 99
30) Cyclohexane	7.14	84	1434316	9.963	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1588986	10.310	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2346504	10.199	ppbv 99
34) 2-Butanone	5.25	43	1564559	9.570	ppbv 98
35) Carbon Tetrachloride	7.03	117	2425901	10.548	ppbv 97
36) Benzene	6.90	78	3539028	10.231	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1675597	10.288	ppbv 99
38) Trichloroethene	7.84	130	1392508	10.190	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1344679	10.335	ppbv 96
40) 1,4-Dioxane	7.84	88	322239	9.898	ppbv # 100
41) Tetrahydrofuran	6.06	42	807797	10.090	ppbv 99
42) Bromodichloromethane	7.80	83	2528281	10.568	ppbv 98
43) Methyl Methacrylate	8.02	69	1261146	11.163	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5862467	10.088	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	971014	12.491	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1305477	12.116	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1429984	10.110	ppbv	98
48) Dibromochloromethane	10.31	129	2226425	11.042	ppbv	99
49) Bromoform	13.05	173	1826297	11.838	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2320450	10.903	ppbv	100
51) 2-Hexanone	10.14	43	1065061	11.210	ppbv #	98
52) Tetrachloroethene	11.23	164	1272007	9.452	ppbv	95
53) Toluene	9.82	91	4100962	10.698	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2003226	10.485	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1555866	10.204	ppbv	95
57) Chlorobenzene	12.15	112	2981493	9.867	ppbv	99
58) Ethyl Benzene	12.72	91	5130711	10.374	ppbv	99
59) m/p-Xylene	13.00	91	8482465m	19.980	ppbv	
60) o-Xylene	13.70	91	4033361	9.913	ppbv	99
61) Styrene	13.53	104	2234472	11.354	ppbv	100
62) Isopropylbenzene	14.67	105	5675030	10.000	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2946688	9.385	ppbv	99
64) n-propylbenzene	15.57	120	1503410	10.623	ppbv	99
65) tert-Butylbenzene	16.75	119	4984717	9.981	ppbv	100
66) Benzyl Chloride	16.99	91	268982	10.913	ppbv #	100
67) sec-Butylbenzene	17.30	105	6937437	10.157	ppbv	99
69) p-Isopropyltoluene	17.66	119	5737910	10.391	ppbv	100
70) n-Butylbenzene	18.55	91	5533806	10.549	ppbv	99
71) 2-Chlorotoluene	15.46	91	4132685	10.312	ppbv	100
72) 4-Ethyltoluene	15.84	105	4875971	10.554	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4384592	10.448	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	4545055	10.314	ppbv #	92
75) 1,3-Dichlorobenzene	17.00	146	2734733	10.016	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2627741	10.089	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2629201	10.025	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1830826	8.549	ppbv	99
79) Naphthalene	22.20	128	2930638	10.859	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	633296	8.739	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1810088m	10.486	ppbv	

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

