

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038130.D
 Acq On : 29 Nov 2021 11:47
 Operator : SY/AP
 Sample : VL1129ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1129ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/30/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Nov 30 05:55:49 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	5.68	49	1004256	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2845555	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2746246	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2167704	10.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1342526	8.093 ppbv	99
3) Chlorodifluoromethane	3.00	51	2047279	9.707 ppbv	98
4) Chloromethane	3.15	50	710843	9.901 ppbv	99
5) Vinyl Chloride	3.27	62	702660	9.977 ppbv	98
6) Bromomethane	3.49	94	385351	10.214 ppbv	94
7) Chloroethane	3.57	64	247009	9.882 ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	1651466	10.008 ppbv	95
9) Propene	3.02	41	689588	8.878 ppbv	98
10) Heptane	8.13	43	1743567	9.083 ppbv	100
11) Trichlorofluoromethane	3.96	101	1657585	10.507 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1194167	10.700 ppbv	98
13) Ethanol	3.62	45	69163m	9.215 ppbv	
14) Bromoethene	3.75	108	484176	9.689 ppbv	98
15) Acetone	3.86	43	853391	9.801 ppbv	100
16) 1,3-Butadiene	3.34	39	684536	10.077 ppbv	95
17) tert-Butyl alcohol	4.30	59	1018770	9.646 ppbv	99
18) 1,1-Dichloroethene	4.30	96	540656	10.561 ppbv	99
19) Isopropyl Alcohol	3.98	45	547436	8.702 ppbv #	1
20) Methylene Chloride	4.36	84	479200	9.826 ppbv	97
21) Allyl Chloride	4.42	41	807307	10.017 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	577126	11.130 ppbv	96
23) Vinyl Acetate	5.08	43	1307807	10.376 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1121335	10.684 ppbv	98
25) Ethyl Acetate	5.69	43	2685373	9.280 ppbv	99
26) Hexane	5.70	57	1288926	9.241 ppbv	96
27) Carbon Disulfide	4.56	76	1319599	10.562 ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1242251	10.485 ppbv	99
29) Chloroform	5.76	83	2000374	9.731 ppbv	98
30) Cyclohexane	7.14	84	1140404	9.006 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1246719	9.396 ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	2054926	9.850 ppbv	99
34) 2-Butanone	5.25	43	896597	7.814 ppbv	98
35) Carbon Tetrachloride	7.03	117	2094900	10.478 ppbv	97
36) Benzene	6.90	78	2733026	9.628 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1570891	11.459 ppbv	97
38) Trichloroethene	7.84	130	956638	8.935 ppbv	95
39) 1,2-Dichloropropane	7.62	63	1080852	9.927 ppbv	96
40) 1,4-Dioxane	7.84	88	278925m	9.832 ppbv	
41) Tetrahydrofuran	6.06	42	675500	9.484 ppbv	99
42) Bromodichloromethane	7.80	83	2204437	10.577 ppbv	98
43) Methyl Methacrylate	8.02	69	1021403	10.518 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4447451	9.365	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	903148	11.594	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1163471	11.043	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1103608	9.678	ppbv	98
48) Dibromochloromethane	10.31	129	1797492	10.350	ppbv	99
49) Bromoform	13.05	173	1297739	10.445	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1795481	10.304	ppbv	99
51) 2-Hexanone	10.14	43	839691	10.242	ppbv #	97
52) Tetrachloroethene	11.23	164	893007	8.503	ppbv	94
53) Toluene	9.81	91	3066396	9.389	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1575648	9.782	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1133568	9.093	ppbv	96
57) Chlorobenzene	12.15	112	2166631	8.802	ppbv	95
58) Ethyl Benzene	12.72	91	4061306	8.948	ppbv	99
59) m/p-Xylene	13.00	91	6690735m	17.511	ppbv	
60) o-Xylene	13.70	91	3105151	8.760	ppbv	97
61) Styrene	13.54	104	1672416	8.801	ppbv	94
62) Isopropylbenzene	14.67	105	4282816	8.512	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2189732	8.317	ppbv	99
64) n-propylbenzene	15.57	120	1101284	8.592	ppbv	94
65) tert-Butylbenzene	16.75	119	3601960	8.126	ppbv	97
66) Benzyl Chloride	16.99	91	189489	8.435	ppbv #	94
67) sec-Butylbenzene	17.30	105	5066053	8.202	ppbv	99
69) p-Isopropyltoluene	17.66	119	4056504	8.396	ppbv	98
70) n-Butylbenzene	18.55	91	4037790	8.740	ppbv	99
71) 2-Chlorotoluene	15.46	91	3193618	8.682	ppbv	97
72) 4-Ethyltoluene	15.84	105	3592789	8.742	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3199616	8.524	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	3291218	8.509	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1814409	8.541	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	1738424	8.132	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1699866	8.264	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	925597	7.207	ppbv	99
79) Naphthalene	22.20	128	1767930	8.679	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	305058	6.988	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	963238	8.229	ppbv	98

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

