

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032688.D
 Acq On : 24 Oct 2018 15:31
 Operator : SY/AP
 Sample : VL1024ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1024ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 3:39:42 PM

Quant Time: Oct 25 05:34:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:34:33 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1575206	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3787133	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3887338m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2862827	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1908595	11.892	ppbv	100
3) Chlorodifluoromethane	3.02	51	1120184	9.093	ppbv	99
4) Chloromethane	3.18	50	651348	9.461	ppbv	100
5) Vinyl Chloride	3.30	62	656801	8.808	ppbv	99
6) Bromomethane	3.53	94	420278	9.040	ppbv	93
7) Chloroethane	3.61	64	258636	9.419	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	1529669	9.043	ppbv	92
9) Propene	3.05	41	510483	10.070	ppbv	100
10) Heptane	8.26	43	1984337	10.157	ppbv	99
11) Trichlorofluoromethane	4.02	101	1745434	8.326	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1572170	9.018	ppbv	93
13) Ethanol	3.66	45	129921	8.967	ppbv	98
14) Bromoethene	3.80	108	537493	9.123	ppbv	99
15) Acetone	3.91	43	1145149	7.873	ppbv	100
16) 1,3-Butadiene	3.37	39	537034	10.036	ppbv	83
17) tert-Butyl alcohol	4.37	59	477476	11.161	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	782464	10.217	ppbv	98
19) Isopropyl Alcohol	4.04	45	869436	8.393	ppbv #	97
20) Methylene Chloride	4.42	84	666318	9.024	ppbv	97
21) Allyl Chloride	4.49	41	1296352	10.855	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	749173	9.537	ppbv	89
23) Vinyl Acetate	5.17	43	2643483	10.256	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1877065	9.277	ppbv	99
25) Ethyl Acetate	5.79	43	3300827	9.859	ppbv	99
26) Hexane	5.80	57	1550641	9.788	ppbv	99
27) Carbon Disulfide	4.63	76	1708497	8.890	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	2309891	10.145	ppbv	99
29) Chloroform	5.87	83	2411390	9.529	ppbv	98
30) Cyclohexane	7.26	84	1341870	10.701	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1466199	9.982	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	2361156	9.182	ppbv	99
34) 2-Butanone	5.35	43	2125601	10.470	ppbv	100
35) Carbon Tetrachloride	7.15	117	2571648	9.568	ppbv	96
36) Benzene	7.03	78	3160028	10.275	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1823264	9.666	ppbv	98
38) Trichloroethene	7.98	130	1211951	10.646	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1216473	10.243	ppbv	98
40) 1,4-Dioxane	7.98	88	426572	10.517	ppbv #	98
41) Tetrahydrofuran	6.17	42	1280068	11.315	ppbv	98
42) Bromodichloromethane	7.94	83	2597808	9.830	ppbv	98
43) Methyl Methacrylate	8.15	69	1272115	11.286	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5320975	10.135	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	1847443	12.245	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	2017062	11.702	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1408047	10.034	ppbv	99
48) Dibromochloromethane	10.47	129	2215252	9.471	ppbv	100
49) Bromoform	13.22	173	1885354	10.258	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3354840	11.154	ppbv	99
51) 2-Hexanone	10.29	43	2358747	10.550	ppbv #	99
52) Tetrachloroethene	11.39	164	1129312	10.533	ppbv	96
53) Toluene	9.97	91	3996506	11.337	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1997847	10.475	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1594803	9.382	ppbv	98
57) Chlorobenzene	12.32	112	2765324	9.673	ppbv	95
58) Ethyl Benzene	12.88	91	4926976	10.910	ppbv	100
59) m/p-Xylene	13.14	91	8144241m	20.252	ppbv	
60) o-Xylene	13.87	91	3870573	9.978	ppbv	99
61) Styrene	13.70	104	3000283	11.535	ppbv	97
62) Isopropylbenzene	14.85	105	5479315	9.980	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2650444	8.720	ppbv	99
64) n-propylbenzene	15.74	120	1400861	10.267	ppbv	94
65) tert-Butylbenzene	16.93	119	4634078	9.911	ppbv	95
66) Benzyl Chloride	17.18	91	2677409	11.090	ppbv	99
67) sec-Butylbenzene	17.48	105	6462053	9.717	ppbv	99
69) p-Isopropyltoluene	17.83	119	5261786	9.985	ppbv	99
70) n-Butylbenzene	18.73	91	5299520	9.768	ppbv	99
71) 2-Chlorotoluene	15.64	91	4050642	10.381	ppbv	98
72) 4-Ethyltoluene	16.02	105	4395810	10.639	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4125322	10.251	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4188457	9.746	ppbv	94
75) 1,3-Dichlorobenzene	17.19	146	2322168	9.397	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2266511	9.938	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2182509	9.322	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1196789	10.818	ppbv	100
79) Naphthalene	22.43	128	3480289	13.029	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1227277	18.894	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1647631	11.910	ppbv	99

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

