

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041816.D
 Acq On : 19 Dec 2024 03:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Dec 19 08:04:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.793	49	80462	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	194995	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	167221	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.386	95	149664	10.740	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	128833	8.999	ppbv	95
3) Chlorodifluoromethane	1.476	51	118280	9.014	ppbv	100
4) Chloromethane	1.534	50	52279	9.333	ppbv	99
5) Vinyl Chloride	1.583	62	47803	8.470	ppbv	99
6) Bromomethane	1.670	94	22461	8.433	ppbv	99
7) Chloroethane	1.706	64	19558	8.921	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	115169	8.987	ppbv	93
9) Propene	1.486	41	41155	7.236	ppbv	95
10) Heptane	4.994	43	121577	8.322	ppbv	100
11) Trichlorofluoromethane	1.881	101	135114	8.885	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	98518	8.518	ppbv	95
13) Ethanol	1.725	45	2654	5.636	ppbv	89
14) Bromoethene	1.783	108	31772	8.136	ppbv	94
15) Acetone	1.839	43	120737	7.712	ppbv	96
16) 1,3-Butadiene	1.612	39	56794	9.213	ppbv	95
17) tert-Butyl alcohol	2.042	59	130646	8.412	ppbv	99
18) 1,1-Dichloroethene	2.039	96	42108	8.683	ppbv	95
19) Isopropyl Alcohol	1.887	45	58883	6.268	ppbv #	37
20) Methylene Chloride	2.065	84	35778	8.015	ppbv	92
21) Allyl Chloride	2.101	41	75977	8.948	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	45432	8.185	ppbv	98
23) Vinyl Acetate	2.466	43	52077	7.164	ppbv #	96
24) 1,1-Dichloroethane	2.415	63	100372	8.933	ppbv	99
25) Ethyl Acetate	2.842	43	251237	8.627	ppbv	100
26) Hexane	2.832	57	91261	8.257	ppbv	93
27) Carbon Disulfide	2.156	76	77966	7.828	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	62687	6.991	ppbv	97
29) Chloroform	2.855	83	151278	8.982	ppbv	100
30) Cyclohexane	3.865	84	74123	7.882	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	90920	7.961	ppbv	94
32) 1,1,1-Trichloroethane	3.376	97	141589	8.269	ppbv	98
34) 2-Butanone	2.560	43	143094	9.121	ppbv	99
35) Carbon Tetrachloride	3.774	117	142088	10.264	ppbv	96
36) Benzene	3.667	78	181775	9.012	ppbv	97
37) 1,2-Dichloroethane	3.227	62	119295	9.505	ppbv	100
38) Trichloroethene	4.561	130	69271	8.090	ppbv	95
39) 1,2-Dichloropropane	4.327	63	65973	9.044	ppbv	97
40) 1,4-Dioxane	4.596	88	27617	7.750	ppbv #	91
41) Tetrahydrofuran	3.062	42	77282	8.793	ppbv	97
42) Bromodichloromethane	4.499	83	140825	9.753	ppbv	98
43) Methyl Methacrylate	4.894	69	65091	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.654	57	325525	9.450	ppbv	97
45) t-1,3-Dichloropropene	6.431	75	58734	7.389	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	40296	3.993	ppbv	98
47) 1,1,2-Trichloroethane	6.596	97	69616	9.136	ppbv	93
48) Dibromochloromethane	7.399	129	99788	9.591	ppbv	100
49) Bromoform	9.493	173	77811	9.136	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	196906	9.219	ppbv	99
51) 2-Hexanone	7.451	43	150220	8.677	ppbv #	96
52) Tetrachloroethene	8.237	164	56129	7.476	ppbv	93
53) Toluene	6.949	91	190165	8.316	ppbv	100
54) 1,2-Dibromoethane	7.668	107	92331	8.794	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.936	131	89008	10.040	ppbv	99
57) Chlorobenzene	8.933	112	155548	9.090	ppbv	98
58) Ethyl Benzene	9.364	91	268096	8.905	ppbv	97
59) m/p-Xylene	9.561	91	216629	8.949	ppbv #	100
60) o-Xylene	9.972	91	229859	9.469	ppbv	100
61) Styrene	9.882	104	91682	8.735	ppbv	99
62) Isopropylbenzene	10.548	105	339260	9.302	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	145038	9.545	ppbv	100
64) n-propylbenzene	10.998	120	86161	9.344	ppbv	99
65) tert-Butylbenzene	11.539	119	295470	8.980	ppbv	98
66) Benzyl Chloride	11.626	91	18218	6.286	ppbv	97
67) sec-Butylbenzene	11.775	105	414290	9.098	ppbv	100
69) p-Isopropyltoluene	11.934	119	329037	8.769	ppbv	99
70) n-Butylbenzene	12.290	91	315732	8.708	ppbv	99
71) 2-Chlorotoluene	10.911	91	243323	8.741	ppbv	99
72) 4-Ethyltoluene	11.134	105	264092	9.217	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	223198	9.389	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	242549	9.488	ppbv	99
75) 1,3-Dichlorobenzene	11.616	146	135088	8.288	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	132463	8.227	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	131272	8.371	ppbv	100
78) Hexachloro-1,3-Butadiene	13.889	225	79178	6.809	ppbv	100
79) Naphthalene	13.520	128	162505	9.123	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	52642	9.555	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	76255	7.834	ppbv	100

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

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