

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071922\
 Data File : VX030111.D
 Acq On : 19 Jul 2022 12:08
 Operator : JC/MD
 Sample : VSTD01073
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010673

Quant Time: Jul 20 07:33:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 07:31:59 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	278226	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	250649	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	122274	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	22602	10.415	ug/L	0.00
7) Chloroethane-d5	1.666	69	16473	10.969	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	43626	10.393	ug/L	0.00
21) 2-Butanone-d5	4.465	46	43862m	20.548	ug/L	0.00
24) Chloroform-d	5.062	84	45373	10.298	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	27950	10.140	ug/L	0.00
32) Benzene-d6	5.976	84	95507	10.352	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	29911	10.110	ug/L	0.00
41) Toluene-d8	8.653	98	86715	10.301	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	12054	9.593	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	29482	19.871	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	40788	10.331	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	28565	10.078	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	24888	10.682	ug/L	97
3) Chloromethane	1.294	50	22536	10.822	ug/L	100
5) Vinyl chloride	1.374	62	22744	10.478	ug/L	100
6) Bromomethane	1.611	94	10478	10.701	ug/L	100
8) Chloroethane	1.691	64	13033	10.880	ug/L	97
9) Trichlorofluoromethane	1.886	101	30221	10.754	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	21526	10.836	ug/L	97
12) 1,1-Dichloroethene	2.325	96	19922	10.401	ug/L #	71
13) Acetone	2.392	43	26083	21.953	ug/L	99
14) Carbon disulfide	2.514	76	55651	10.324	ug/L	97
15) Methyl Acetate	2.709	43	28951	10.699	ug/L	98
16) Methylene chloride	2.794	84	24724	10.693	ug/L	95
17) trans-1,2-Dichloroethene	3.093	96	21110	10.357	ug/L	91
18) Methyl tert-butyl Ether	3.123	73	64345	10.248	ug/L	99
19) 1,1-Dichloroethane	3.611	63	39256	10.537	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	25185	10.642	ug/L	97
22) 2-Butanone	4.568	43	42160	20.754	ug/L	100
23) Bromochloromethane	4.903	128	12533	10.642	ug/L	91
25) Chloroform	5.099	83	41159	10.644	ug/L	97
27) 1,2-Dichloroethane	6.098	62	29487	10.153	ug/L	100
29) Cyclohexane	5.483	56	36234m	10.539	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	32179	10.435	ug/L	99
31) Carbon tetrachloride	5.684	117	26720	10.518	ug/L	97
33) Benzene	6.037	78	91918	10.532	ug/L	100
34) Trichloroethene	7.129	95	24865	10.637	ug/L	95
35) Methylcyclohexane	7.385	83	36730	10.445	ug/L	99
37) 1,2-Dichloropropane	7.433	63	24956	11.052	ug/L #	98
38) Bromodichloromethane	7.824	83	29055	10.397	ug/L	95
39) cis-1,3-Dichloropropene	8.366	75	33043	10.120	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	76958	20.712	ug/L	100
42) Toluene	8.720	91	94043	10.378	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	29579	9.673	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	23278	10.649	ug/L	97
46) Tetrachloroethene	9.275	164	18067	11.157	ug/L	85
48) 2-Hexanone	9.433	43	60918	20.417	ug/L	99
49) Dibromochloromethane	9.525	129	21180	9.684	ug/L	90
50) 1,2-Dibromoethane	9.610	107	23969	10.326	ug/L	99
51) Chlorobenzene	10.079	112	60247	10.581	ug/L	99
52) Ethylbenzene	10.195	91	99386	10.290	ug/L	97
53) m,p-Xylene	10.305	106	39016	10.363	ug/L	99
54) o-Xylene	10.646	106	37803	10.340	ug/L	90
55) Styrene	10.659	104	63459	10.075	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	36967	10.717	ug/L	99
59) Bromoform	10.805	173	14395	10.079	ug/L	97
60) Isopropylbenzene	10.963	105	96268	10.742	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	29688	10.945	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	78724	10.630	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	77359	10.477	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	42050	10.667	ug/L	97
65) 1,4-Dichlorobenzene	12.042	146	41549	10.484	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	42987	10.719	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	7693	9.444	ug/L	89
69) 1,3,5-Trichlorobenzene	13.115	180	28683	10.776	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	23859	10.212	ug/L	98
71) Naphthalene	13.780	128	95343	9.975	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	26005	10.477	ug/L	98

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

