

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032209.D
 Acq On : 19 Oct 2022 15:50
 Operator : JC/MD
 Sample : VX1019MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 16:56:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	123862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82899	51.448	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.900%			
35) Dibromofluoromethane	5.385	113	69229	51.493	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	8.647	98	253898	52.463	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.920%			
62) 4-Bromofluorobenzene	11.079	95	93076	52.521	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	24600	21.709	ug/l	97
3) Chloromethane	1.295	50	23146	19.957	ug/l	96
4) Vinyl Chloride	1.374	62	25199	20.647	ug/l	99
5) Bromomethane	1.612	94	25881	20.254	ug/l	97
6) Chloroethane	1.685	64	18629	17.156	ug/l	100
7) Trichlorofluoromethane	1.886	101	44773	20.637	ug/l	99
8) Diethyl Ether	2.130	74	15465	20.975	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	24666	20.970	ug/l	98
10) Methyl Iodide	2.453	142	32587	19.171	ug/l	99
11) Tert butyl alcohol	2.971	59	25885	100.234	ug/l	99
12) 1,1-Dichloroethene	2.319	96	22897	20.711	ug/l	97
13) Acrolein	2.233	56	20416	104.083	ug/l	97
14) Allyl chloride	2.666	41	35308	20.334	ug/l	98
15) Acrylonitrile	3.063	53	62638	103.650	ug/l	100
16) Acetone	2.386	43	56267	107.605	ug/l	99
17) Carbon Disulfide	2.514	76	50083	19.350	ug/l	100
18) Methyl Acetate	2.703	43	37361	21.046	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	77049	20.225	ug/l	99
20) Methylene Chloride	2.788	84	26071	19.417	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	23787	19.754	ug/l	97
22) Diisopropyl ether	3.758	45	77153	20.291	ug/l	98
23) Vinyl Acetate	3.721	43	308659	101.563	ug/l	99
24) 1,1-Dichloroethane	3.611	63	44663	20.330	ug/l	98
25) 2-Butanone	4.556	43	86152	105.527	ug/l	97
26) 2,2-Dichloropropane	4.477	77	33793	21.349	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	28548	20.249	ug/l	98
28) Bromochloromethane	4.898	49	17124	18.892	ug/l	98
29) Tetrahydrofuran	5.007	42	52771	100.080	ug/l	97
30) Chloroform	5.093	83	48460	20.266	ug/l	98
31) Cyclohexane	5.471	56	37681	20.456	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	41499	20.351	ug/l	99
36) 1,1-Dichloropropene	5.696	75	34923	20.194	ug/l	99
37) Ethyl Acetate	4.709	43	34500	20.375	ug/l	100
38) Carbon Tetrachloride	5.678	117	36758	20.134	ug/l	99
39) Methylcyclohexane	7.379	83	43955	21.276	ug/l	97
40) Benzene	6.038	78	99723	19.895	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19448	21.781	ug/l	99
42) 1,2-Dichloroethane	6.086	62	39249	20.443	ug/l	100
43) Isopropyl Acetate	6.336	43	54232	20.406	ug/l	99
44) Trichloroethene	7.129	130	27704	20.071	ug/l	99
45) 1,2-Dichloropropane	7.428	63	25782	20.390	ug/l	98
46) Dibromomethane	7.580	93	19217	20.377	ug/l	100
47) Bromodichloromethane	7.824	83	35321	20.274	ug/l	94
48) Methyl methacrylate	7.690	41	27113	20.456	ug/l	98
49) 1,4-Dioxane	7.684	88	11659	438.308	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	175342	105.250	ug/l	99
52) Toluene	8.720	92	64860	19.975	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	34215	18.613	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	37895	19.521	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	27002	20.471	ug/l	97
56) Ethyl methacrylate	9.116	69	38555	20.295	ug/l	98
57) 1,3-Dichloropropane	9.305	76	43166	20.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	87576	100.576	ug/l	99
59) 2-Hexanone	9.433	43	131722	105.965	ug/l	100
60) Dibromochloromethane	9.519	129	26148	19.342	ug/l	97
61) 1,2-Dibromoethane	9.610	107	28177	20.151	ug/l	97
64) Tetrachloroethene	9.275	164	23595	20.504	ug/l	96
65) Chlorobenzene	10.080	112	71822	20.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	25283	19.776	ug/l	99
67) Ethyl Benzene	10.195	91	127852	20.211	ug/l	99
68) m/p-Xylenes	10.299	106	99805	39.952	ug/l	100
69) o-Xylene	10.640	106	48394	20.221	ug/l	100
70) Styrene	10.653	104	79837	19.783	ug/l	99
71) Bromoform	10.799	173	17879	17.919	ug/l #	100
73) Isopropylbenzene	10.964	105	129134	20.489	ug/l	99
74) N-amyl acetate	10.842	43	48637	20.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	41596	20.529	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35833m	20.474	ug/l	
77) Bromobenzene	11.201	156	30763	19.913	ug/l	99
78) n-propylbenzene	11.305	91	149723	20.746	ug/l	100
79) 2-Chlorotoluene	11.366	91	88408	20.326	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	111671	20.513	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9797	19.389	ug/l	94
82) 4-Chlorotoluene	11.457	91	102519	20.245	ug/l	99
83) tert-Butylbenzene	11.713	119	110309	20.252	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	110779	20.930	ug/l	99
85) sec-Butylbenzene	11.890	105	137327	20.862	ug/l	99
86) p-Isopropyltoluene	12.012	119	115773	20.670	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59233	19.921	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	60677	19.865	ug/l	99
89) n-Butylbenzene	12.335	91	101740	20.623	ug/l	98
90) Hexachloroethane	12.543	117	17216	19.809	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	59157	20.266	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7900	18.866	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	38463	20.241	ug/l	100
94) Hexachlorobutadiene	13.725	225	16848	20.428	ug/l	97
95) Naphthalene	13.774	128	127149	20.891	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38111	19.940	ug/l	99

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

