

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042523\
 Data File : VX035273.D
 Acq On : 25 Apr 2023 11:00
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 25 16:07:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:06:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	314529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	500802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	215101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	19915	5.248	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.500%#		
35) Dibromofluoromethane	5.397	113	15119	4.919	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.840%#		
50) Toluene-d8	8.647	98	59055	5.093	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.180%#		
62) 4-Bromofluorobenzene	11.079	95	21442	4.916	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15351	4.613	ug/l	98
3) Chloromethane	1.294	50	14691	4.852	ug/l	98
4) Vinyl Chloride	1.374	62	15054	4.958	ug/l	96
5) Bromomethane	1.617	94	9924	4.917	ug/l	98
6) Chloroethane	1.691	64	8422	4.742	ug/l	96
7) Trichlorofluoromethane	1.886	101	23264	4.899	ug/l	100
8) Diethyl Ether	2.130	74	8785	5.074	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	15607	4.921	ug/l	98
10) Methyl Iodide	2.453	142	17518	4.376	ug/l	96
11) Tert butyl alcohol	3.007	59	17148m	24.886	ug/l	
12) 1,1-Dichloroethene	2.318	96	14940	4.891	ug/l	93
13) Acrolein	2.239	56	17365	25.557	ug/l	100
14) Allyl chloride	2.666	41	25213	4.690	ug/l	95
15) Acrylonitrile	3.074	53	43517	25.182	ug/l	98
16) Acetone	2.392	43	40152	24.363	ug/l	92
17) Carbon Disulfide	2.514	76	32026	4.373	ug/l	98
18) Methyl Acetate	2.709	43	29968	4.702	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	52667	5.025	ug/l	97
20) Methylene Chloride	2.788	84	18487	4.892	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	16834	5.074	ug/l	92
22) Diisopropyl ether	3.763	45	54792	5.150	ug/l	92
23) Vinyl Acetate	3.721	43	176563	24.145	ug/l	99
24) 1,1-Dichloroethane	3.611	63	29860	4.983	ug/l	100
25) 2-Butanone	4.574	43	60723	25.244	ug/l	97
26) 2,2-Dichloropropane	4.477	77	21258	4.528	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	18884	4.842	ug/l	95
28) Bromochloromethane	4.897	49	13250	5.189	ug/l	90
29) Tetrahydrofuran	5.019	42	38437	24.932	ug/l	96
30) Chloroform	5.098	83	30415	5.028	ug/l	94
31) Cyclohexane	5.470	56	26476	4.919	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	25064	4.728	ug/l	98
36) 1,1-Dichloropropene	5.696	75	23306	4.856	ug/l	99
37) Ethyl Acetate	4.721	43	22408	5.033	ug/l	95
38) Carbon Tetrachloride	5.678	117	20629	4.528	ug/l	96
39) Methylcyclohexane	7.379	83	28071	4.805	ug/l	96
40) Benzene	6.037	78	69391	5.040	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	12005	4.779	ug/l	96
42) 1,2-Dichloroethane	6.086	62	24935	5.079	ug/l	98
43) Isopropyl Acetate	6.342	43	34748	4.717	ug/l	97
44) Trichloroethene	7.129	130	19176	5.056	ug/l	94
45) 1,2-Dichloropropane	7.433	63	16797	4.839	ug/l	97
46) Dibromomethane	7.586	93	11789	4.946	ug/l	92
47) Bromodichloromethane	7.824	83	20342	4.632	ug/l	96
48) Methyl methacrylate	7.696	41	16801	4.650	ug/l	92
49) 1,4-Dioxane	7.726	88	8698	98.761	ug/l #	64
51) 4-Methyl-2-Pentanone	8.573	43	115021	25.417	ug/l	100
52) Toluene	8.720	92	44058	5.048	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	18446	4.022	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	22964	4.430	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	17210	4.947	ug/l	98
56) Ethyl methacrylate	9.116	69	25246	4.871	ug/l	90
57) 1,3-Dichloropropane	9.311	76	29845	5.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	52070	20.093	ug/l	96
59) 2-Hexanone	9.433	43	85526	25.158	ug/l	97
60) Dibromochloromethane	9.518	129	14541	4.362	ug/l	100
61) 1,2-Dibromoethane	9.610	107	17390	4.849	ug/l	100
64) Tetrachloroethene	9.275	164	17281	5.149	ug/l	96
65) Chlorobenzene	10.079	112	49391	5.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	15420	4.673	ug/l	100
67) Ethyl Benzene	10.195	91	82139	5.002	ug/l	98
68) m/p-Xylenes	10.305	106	64047	10.178	ug/l	98
69) o-Xylene	10.640	106	31431	5.094	ug/l	98
70) Styrene	10.658	104	49614	4.959	ug/l	97
71) Bromoform	10.799	173	9593	4.179	ug/l #	98
73) Isopropylbenzene	10.963	105	80454	5.117	ug/l	100
74) N-amyl acetate	10.847	43	27837	4.711	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	25215	5.167	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	22937m	5.597	ug/l	
77) Bromobenzene	11.195	156	19561	5.005	ug/l	92
78) n-propylbenzene	11.305	91	89135	4.936	ug/l	100
79) 2-Chlorotoluene	11.366	91	57612	5.105	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	66960	5.051	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	4597	3.470	ug/l #	78
82) 4-Chlorotoluene	11.457	91	64634	5.100	ug/l	97
83) tert-Butylbenzene	11.713	119	65514	4.925	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	66654	5.004	ug/l	100
85) sec-Butylbenzene	11.890	105	81043	4.967	ug/l	99
86) p-Isopropyltoluene	12.006	119	67126	4.837	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	37320	5.024	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	39524	5.075	ug/l	97
89) n-Butylbenzene	12.335	91	54747	4.673	ug/l	98
90) Hexachloroethane	12.536	117	8929	4.203	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	38413	5.171	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4139	4.229	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	21469	4.598	ug/l	95
94) Hexachlorobutadiene	13.725	225	9485	4.628	ug/l	97
95) Naphthalene	13.774	128	67742	4.712	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	23033	4.900	ug/l	94

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

