

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092324\
 Data File : VX043102.D
 Acq On : 23 Sep 2024 09:33
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/24/2024
 Supervised By : Mahesh Dadoda 09/24/2024

Quant Time: Sep 24 02:48:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 02:22:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	118008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39663	20.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.460%#		
35) Dibromofluoromethane	5.385	113	28920	20.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.000%#		
50) Toluene-d8	8.646	98	99361	20.314	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.620%#		
62) 4-Bromofluorobenzene	11.079	95	39844	20.227	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.460%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25654	20.385	ug/l	98
3) Chloromethane	1.300	50	25352	19.732	ug/l	99
4) Vinyl Chloride	1.373	62	26285	20.140	ug/l	99
5) Bromomethane	1.611	94	18035	24.020	ug/l	100
6) Chloroethane	1.690	64	17334	20.744	ug/l	95
7) Trichlorofluoromethane	1.892	101	45777	19.761	ug/l	99
8) Diethyl Ether	2.135	74	15859	20.390	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	26054	19.926	ug/l	99
10) Methyl Iodide	2.452	142	32148	20.686	ug/l	99
11) Tert butyl alcohol	2.958	59	46909	107.182	ug/l	100
12) 1,1-Dichloroethene	2.318	96	25630	20.493	ug/l	99
13) Acrolein	2.233	56	3727	66.212	ug/l	98
14) Allyl chloride	2.666	41	45733	19.693	ug/l	99
15) Acrylonitrile	3.062	53	77066	101.513	ug/l	99
16) Acetone	2.379	43	101485	110.707	ug/l	100
17) Carbon Disulfide	2.513	76	61179	19.679	ug/l	100
18) Methyl Acetate	2.702	43	53449	21.663	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	97246	20.406	ug/l	99
20) Methylene Chloride	2.788	84	29057	19.923	ug/l	92
21) trans-1,2-Dichloroethene	3.092	96	25567	19.756	ug/l	99
22) Diisopropyl ether	3.763	45	88193	20.281	ug/l	96
23) Vinyl Acetate	3.720	43	513492	100.383	ug/l	99
24) 1,1-Dichloroethane	3.611	63	51165	20.351	ug/l	99
25) 2-Butanone	4.550	43	124342	105.224	ug/l	98
26) 2,2-Dichloropropane	4.470	77	51543	20.255	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	32303	20.051	ug/l	99
28) Bromochloromethane	4.897	49	23177	20.942	ug/l	99
29) Tetrahydrofuran	5.007	42	71795	101.026	ug/l	99
30) Chloroform	5.098	83	55578	20.049	ug/l	95
31) Cyclohexane	5.464	56	39413	20.446	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	52715	20.075	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35133	19.776	ug/l	99
37) Ethyl Acetate	4.714	43	43796	19.627	ug/l	99
38) Carbon Tetrachloride	5.677	117	45301	19.796	ug/l	98
39) Methylcyclohexane	7.378	83	44406	19.917	ug/l	98
40) Benzene	6.037	78	107017	20.415	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	23030	20.760	ug/l	96
42) 1,2-Dichloroethane	6.086	62	45197	20.306	ug/l	100
43) Isopropyl Acetate	6.342	43	75166	20.167	ug/l	100
44) Trichloroethene	7.122	130	28824	20.096	ug/l	97
45) 1,2-Dichloropropane	7.427	63	26738	20.478	ug/l	95
46) Dibromomethane	7.580	93	22067	20.071	ug/l	97
47) Bromodichloromethane	7.823	83	45790	20.029	ug/l	95
48) Methyl methacrylate	7.689	41	35934	19.629	ug/l	99
49) 1,4-Dioxane	7.659	88	14592	422.236	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	233980	102.189	ug/l	100
52) Toluene	8.720	92	67215	19.910	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	46981	20.018	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	48089	20.518	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	28376	20.415	ug/l	98
56) Ethyl methacrylate	9.116	69	48617	20.100	ug/l	99
57) 1,3-Dichloropropane	9.305	76	47342	20.025	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	99071	101.302	ug/l	99
59) 2-Hexanone	9.427	43	188328	105.190	ug/l	99
60) Dibromochloromethane	9.518	129	36288	19.991	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31083	20.438	ug/l	100
64) Tetrachloroethene	9.274	164	27190	20.348	ug/l	96
65) Chlorobenzene	10.079	112	78125	19.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	29000	19.762	ug/l	98
67) Ethyl Benzene	10.195	91	136255	19.799	ug/l	98
68) m/p-Xylenes	10.299	106	103990	40.603	ug/l	100
69) o-Xylene	10.640	106	51383	20.003	ug/l	98
70) Styrene	10.652	104	84929	19.820	ug/l	98
71) Bromoform	10.798	173	25102	19.448	ug/l #	100
73) Isopropylbenzene	10.963	105	136168	19.679	ug/l	100
74) N-amyl acetate	10.841	43	62666	19.275	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	44153	19.830	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	38623m	19.690	ug/l	
77) Bromobenzene	11.195	156	32721	19.699	ug/l	98
78) n-propylbenzene	11.304	91	154345	19.661	ug/l	100
79) 2-Chlorotoluene	11.359	91	94753	19.244	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	113093	19.755	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15893	19.304	ug/l	100
82) 4-Chlorotoluene	11.451	91	110661	19.663	ug/l	99
83) tert-Butylbenzene	11.713	119	115758	19.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	113786	19.978	ug/l	98
85) sec-Butylbenzene	11.890	105	142840	19.701	ug/l	100
86) p-Isopropyltoluene	12.006	119	120322	19.989	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59628	19.687	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	59819	19.696	ug/l	98
89) n-Butylbenzene	12.329	91	104029	19.831	ug/l	100
90) Hexachloroethane	12.536	117	22570	18.815	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	59895	20.080	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	12376	20.559	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37272	20.155	ug/l	99
94) Hexachlorobutadiene	13.725	225	15423	19.850	ug/l	98
95) Naphthalene	13.774	128	127796	19.882	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35674	19.416	ug/l	99

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

