

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036961.D
 Acq On : 14 Aug 2023 13:48
 Operator : JC/MD
 Sample : VX0814WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 15 01:28:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97247	47.413	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.820%			
35) Dibromofluoromethane	5.385	113	80172	50.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	8.647	98	264114	46.627	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.260%			
62) 4-Bromofluorobenzene	11.079	95	110272	51.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35339	19.298	ug/l	98
3) Chloromethane	1.301	50	28161	16.908	ug/l	97
4) Vinyl Chloride	1.374	62	31169	18.381	ug/l	98
5) Bromomethane	1.599	94	19453	19.215	ug/l	99
6) Chloroethane	1.685	64	20198	24.499	ug/l	92
7) Trichlorofluoromethane	1.886	101	58059	22.171	ug/l	99
8) Diethyl Ether	2.136	74	20407	20.143	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.325	101	32725	20.801	ug/l	98
10) Methyl Iodide	2.453	142	37151	22.735	ug/l	95
11) Tert butyl alcohol	2.959	59	47028	96.851	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	30087	19.384	ug/l	85
13) Acrolein	2.233	56	27689	99.919	ug/l	97
14) Allyl chloride	2.660	41	49503	16.196	ug/l #	94
15) Acrylonitrile	3.062	53	96757	99.085	ug/l	99
16) Acetone	2.380	43	84312	99.062	ug/l	92
17) Carbon Disulfide	2.508	76	72666	16.963	ug/l	98
18) Methyl Acetate	2.703	43	68174	19.041	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	119494	20.487	ug/l	100
20) Methylene Chloride	2.788	84	36027	19.033	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	33398	19.252	ug/l	92
22) Diisopropyl ether	3.757	45	104069	17.933	ug/l	97
23) Vinyl Acetate	3.721	43	405976	91.198	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	62099	19.086	ug/l	97
25) 2-Butanone	4.556	43	134165	97.160	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	57485	18.750	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	40928	19.864	ug/l	91
28) Bromochloromethane	4.897	49	29497	18.745	ug/l #	83
29) Tetrahydrofuran	5.001	42	82877	93.092	ug/l #	86
30) Chloroform	5.093	83	68513	20.582	ug/l	95
31) Cyclohexane	5.471	56	49855	17.556	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	62155	20.378	ug/l	97
36) 1,1-Dichloropropene	5.696	75	48471	20.359	ug/l	98
37) Ethyl Acetate	4.715	43	51924	19.269	ug/l	95
38) Carbon Tetrachloride	5.672	117	53463	21.122	ug/l	96
39) Methylcyclohexane	7.379	83	51689	17.460	ug/l	93
40) Benzene	6.037	78	138402	19.981	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	27425	19.029	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	55942	22.089	ug/l	97
43) Isopropyl Acetate	6.342	43	86459	18.639	ug/l #	94
44) Trichloroethene	7.123	130	38428	21.224	ug/l	97
45) 1,2-Dichloropropane	7.427	63	36664	19.825	ug/l	97
46) Dibromomethane	7.580	93	27806	21.483	ug/l	96
47) Bromodichloromethane	7.824	83	54513	20.518	ug/l	95
48) Methyl methacrylate	7.690	41	41006	19.009	ug/l #	87
49) 1,4-Dioxane	7.659	88	17449	400.403	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	264228	102.935	ug/l	94
52) Toluene	8.720	92	92225	21.249	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	58583	19.509	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	62119	19.604	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	39418	21.606	ug/l	96
56) Ethyl methacrylate	9.116	69	60945	20.514	ug/l	92
57) 1,3-Dichloropropane	9.305	76	65335	21.501	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	140034	95.663	ug/l	94
59) 2-Hexanone	9.427	43	200514	105.252	ug/l	93
60) Dibromochloromethane	9.519	129	42089	20.989	ug/l	99
61) 1,2-Dibromoethane	9.610	107	42658	22.560	ug/l	99
64) Tetrachloroethene	9.275	164	34831	21.815	ug/l	97
65) Chlorobenzene	10.079	112	100447	21.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	38914	21.337	ug/l	100
67) Ethyl Benzene	10.195	91	179085	20.775	ug/l	99
68) m/p-Xylenes	10.299	106	137268	42.680	ug/l	97
69) o-Xylene	10.640	106	67703	21.089	ug/l	98
70) Styrene	10.659	104	110971	20.951	ug/l	99
71) Bromoform	10.799	173	30140	20.415	ug/l #	99
73) Isopropylbenzene	10.963	105	174187	19.448	ug/l	99
74) N-amyl acetate	10.842	43	72220	17.291	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	60370	19.957	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	51437m	20.207	ug/l	
77) Bromobenzene	11.195	156	41652	20.421	ug/l	96
78) n-propylbenzene	11.305	91	196472	18.968	ug/l	99
79) 2-Chlorotoluene	11.366	91	122689	19.547	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	146019	19.488	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	19013	16.929	ug/l	88
82) 4-Chlorotoluene	11.457	91	141748	19.820	ug/l	99
83) tert-Butylbenzene	11.713	119	137540	18.685	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	148050	19.757	ug/l	98
85) sec-Butylbenzene	11.890	105	167058	18.199	ug/l	99
86) p-Isopropyltoluene	12.006	119	142372	18.849	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	77469	20.507	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	77479	20.666	ug/l	99
89) n-Butylbenzene	12.329	91	120264	17.786	ug/l	99
90) Hexachloroethane	12.536	117	24356	15.906	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	76381	20.952	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13496	19.199	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	43955	19.570	ug/l	96
94) Hexachlorobutadiene	13.725	225	17419	18.746	ug/l	97
95) Naphthalene	13.774	128	161271	20.605	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	43237	19.532	ug/l	99

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

