

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033526.D
 Acq On : 21 Dec 2022 11:39
 Operator : JC/MD
 Sample : VX1221WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 03:55:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	154733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235425	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	41278	41.583	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.160%		
35) Dibromofluoromethane	5.385	113	52096	49.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	8.647	98	106891	48.254	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.500%		
62) 4-Bromofluorobenzene	11.079	95	87424	51.616	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	19014	17.591	ug/l	93
3) Chloromethane	1.295	50	19587	15.673	ug/l	98
4) Vinyl Chloride	1.374	62	23341	16.357	ug/l	98
5) Bromomethane	1.618	94	12799	12.222	ug/l	96
6) Chloroethane	1.691	64	13956	12.894	ug/l	97
7) Trichlorofluoromethane	1.886	101	34607	12.918	ug/l	100
8) Diethyl Ether	2.130	74	12239	12.648	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	28733	20.219	ug/l	95
10) Methyl Iodide	2.453	142	31118	19.993	ug/l	96
11) Tert butyl alcohol	2.995	59	28843m	95.038	ug/l	
12) 1,1-Dichloroethene	2.319	96	26270	18.727	ug/l	95
13) Acrolein	2.239	56	18997	57.715	ug/l	99
14) Allyl chloride	2.666	41	39309	17.547	ug/l	92
15) Acrylonitrile	3.063	53	67911	90.333	ug/l	98
16) Acetone	2.386	43	69787	95.007	ug/l	94
17) Carbon Disulfide	2.514	76	61738	17.148	ug/l	98
18) Methyl Acetate	2.703	43	38337	18.029	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	94117	19.369	ug/l	97
20) Methylene Chloride	2.788	84	29726	18.146	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	28558	18.611	ug/l	100
22) Diisopropyl ether	3.757	45	87555	18.242	ug/l	93
23) Vinyl Acetate	3.721	43	332660	89.297	ug/l	96
24) 1,1-Dichloroethane	3.611	63	51370	18.216	ug/l	97
25) 2-Butanone	4.556	43	96252	91.288	ug/l	96
26) 2,2-Dichloropropane	4.477	77	41889	20.199	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	35844	19.545	ug/l	93
28) Bromochloromethane	4.891	49	20854	17.665	ug/l	85
29) Tetrahydrofuran	5.007	42	58030	84.946	ug/l	94
30) Chloroform	5.093	83	59103	18.878	ug/l	99
31) Cyclohexane	5.471	56	42295	17.928	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	53155	19.733	ug/l	96
36) 1,1-Dichloropropene	5.696	75	40382	19.560	ug/l	99
37) Ethyl Acetate	4.709	43	34181	17.515	ug/l	98
38) Carbon Tetrachloride	5.672	117	46988	20.314	ug/l	99
39) Methylcyclohexane	7.379	83	47003	20.341	ug/l	96
40) Benzene	6.038	78	118955	19.762	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19809	18.420	ug/l	92
42) 1,2-Dichloroethane	6.086	62	44100	18.450	ug/l	95
43) Isopropyl Acetate	6.336	43	59211	18.857	ug/l	96
44) Trichloroethene	7.123	130	34715	20.918	ug/l	98
45) 1,2-Dichloropropane	7.428	63	30263	19.659	ug/l	98
46) Dibromomethane	7.580	93	23443	19.991	ug/l	96
47) Bromodichloromethane	7.824	83	45811	20.040	ug/l	100
48) Methyl methacrylate	7.690	41	29300	18.080	ug/l	88
49) 1,4-Dioxane	7.702	88	14677	397.166	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	187372	94.360	ug/l	95
52) Toluene	8.720	92	78501	20.171	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	44616	19.763	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	48631	19.992	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	33399	20.415	ug/l	98
56) Ethyl methacrylate	9.116	69	46314	20.107	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	52144	19.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	97249	92.272	ug/l	95
59) 2-Hexanone	9.427	43	141925	96.988	ug/l	93
60) Dibromochloromethane	9.519	129	37703	20.917	ug/l	98
61) 1,2-Dibromoethane	9.610	107	35072	20.154	ug/l	99
64) Tetrachloroethene	9.275	164	30044	20.843	ug/l	97
65) Chlorobenzene	10.080	112	87420	20.479	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	33621	20.842	ug/l	99
67) Ethyl Benzene	10.195	91	153637	20.659	ug/l	99
68) m/p-Xylenes	10.299	106	121087	41.850	ug/l	96
69) o-Xylene	10.640	106	59652	20.858	ug/l	95
70) Styrene	10.653	104	97438	20.803	ug/l	98
71) Bromoform	10.799	173	27907	21.856	ug/l #	98
73) Isopropylbenzene	10.964	105	157113	20.435	ug/l	99
74) N-amyl acetate	10.842	43	50674	19.318	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	49104	20.132	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42981m	19.916	ug/l	
77) Bromobenzene	11.201	156	39981	20.593	ug/l	95
78) n-propylbenzene	11.305	91	173898	20.257	ug/l	99
79) 2-Chlorotoluene	11.366	91	106322	20.040	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	131990	20.624	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	12967	18.691	ug/l	92
82) 4-Chlorotoluene	11.457	91	123678	20.048	ug/l	97
83) tert-Butylbenzene	11.713	119	133637	20.940	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	131736	20.621	ug/l	99
85) sec-Butylbenzene	11.890	105	156409	21.006	ug/l	99
86) p-Isopropyltoluene	12.012	119	134135	20.895	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	73663	20.946	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	75049	20.892	ug/l	98
89) n-Butylbenzene	12.335	91	110234	20.966	ug/l	99
90) Hexachloroethane	12.536	117	20889	19.143	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	71970	20.469	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9809	18.618	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	44536	20.973	ug/l	99
94) Hexachlorobutadiene	13.725	225	19861	23.357	ug/l	99
95) Naphthalene	13.774	128	148148	20.915	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	45737	21.266	ug/l	98

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

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