

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033107.D
 Acq On : 29 Nov 2022 11:07
 Operator : JC/MD
 Sample : VX1129WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1129WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2022
 Supervised By : Mahesh Dadoda 11/30/2022

Quant Time: Nov 30 00:59:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	119800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	185137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57577	49.130	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.260%		
35) Dibromofluoromethane	5.379	113	48983	46.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.860%		
50) Toluene-d8	8.647	98	147700	46.898	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.800%		
62) 4-Bromofluorobenzene	11.079	95	64287	46.889	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16392	17.910	ug/l	96
3) Chloromethane	1.294	50	16963	17.168	ug/l	95
4) Vinyl Chloride	1.374	62	20664	18.783	ug/l	99
5) Bromomethane	1.618	94	14050	17.222	ug/l	96
6) Chloroethane	1.691	64	16046	17.916	ug/l	99
7) Trichlorofluoromethane	1.892	101	42548	19.927	ug/l	99
8) Diethyl Ether	2.130	74	13450	20.008	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	22497	20.046	ug/l	99
10) Methyl Iodide	2.453	142	19619	15.270	ug/l	99
11) Tert butyl alcohol	2.995	59	20024m	108.273	ug/l	
12) 1,1-Dichloroethene	2.319	96	20434	19.546	ug/l	96
13) Acrolein	2.239	56	19581	92.175	ug/l	97
14) Allyl chloride	2.666	41	32981	19.540	ug/l	98
15) Acrylonitrile	3.068	53	52202	99.794	ug/l	100
16) Acetone	2.392	43	53155	97.557	ug/l	99
17) Carbon Disulfide	2.514	76	49057	16.984	ug/l	99
18) Methyl Acetate	2.703	43	30512	20.230	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	74011	20.413	ug/l	100
20) Methylene Chloride	2.788	84	23612	20.050	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	22154	18.525	ug/l	99
22) Diisopropyl ether	3.757	45	73758	20.069	ug/l	91
23) Vinyl Acetate	3.721	43	288680	100.346	ug/l	99
24) 1,1-Dichloroethane	3.605	63	41700	19.828	ug/l	99
25) 2-Butanone	4.562	43	76170	101.382	ug/l	98
26) 2,2-Dichloropropane	4.471	77	33635	19.890	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	26787	19.714	ug/l	99
28) Bromochloromethane	4.891	49	19910	21.545	ug/l	100
29) Tetrahydrofuran	5.007	42	47161	98.924	ug/l	100
30) Chloroform	5.093	83	47604	20.210	ug/l	100
31) Cyclohexane	5.471	56	35919	19.001	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	42002	19.911	ug/l	100
36) 1,1-Dichloropropene	5.690	75	32774	19.638	ug/l	97
37) Ethyl Acetate	4.708	43	29912	20.544	ug/l	98
38) Carbon Tetrachloride	5.672	117	37216	20.102	ug/l	97
39) Methylcyclohexane	7.379	83	38702	20.325	ug/l	98
40) Benzene	6.037	78	93609	20.005	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17445	21.293	ug/l	97
42) 1,2-Dichloroethane	6.086	62	39924	21.191	ug/l	100
43) Isopropyl Acetate	6.336	43	49514	20.563	ug/l	99
44) Trichloroethene	7.123	130	25956	19.768	ug/l	98
45) 1,2-Dichloropropane	7.427	63	24130	20.867	ug/l	100
46) Dibromomethane	7.580	93	18570	20.581	ug/l	97
47) Bromodichloromethane	7.824	83	37409	21.456	ug/l	94
48) Methyl methacrylate	7.690	41	25260	20.380	ug/l	98
49) 1,4-Dioxane	7.720	88	10065	441.139	ug/l #	77
51) 4-Methyl-2-Pentanone	8.568	43	158071	106.383	ug/l	100
52) Toluene	8.714	92	62385	20.265	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	35842	20.069	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	38619	20.547	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	25934	20.692	ug/l	97
56) Ethyl methacrylate	9.116	69	36142	20.929	ug/l	98
57) 1,3-Dichloropropane	9.305	76	41335	20.429	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	81919	99.899	ug/l	100
59) 2-Hexanone	9.427	43	117830	107.349	ug/l	100
60) Dibromochloromethane	9.519	129	28139	20.853	ug/l	97
61) 1,2-Dibromoethane	9.610	107	27473	20.767	ug/l	99
64) Tetrachloroethene	9.275	164	22991	19.096	ug/l	98
65) Chlorobenzene	10.079	112	68250	20.126	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	25610	20.611	ug/l	99
67) Ethyl Benzene	10.195	91	123175	20.476	ug/l	100
68) m/p-Xylenes	10.299	106	94494	40.115	ug/l	100
69) o-Xylene	10.640	106	46095	20.224	ug/l	100
70) Styrene	10.653	104	77143	20.689	ug/l	99
71) Bromoform	10.799	173	20104	21.103	ug/l #	99
73) Isopropylbenzene	10.963	105	123962	20.255	ug/l	99
74) N-amyl acetate	10.842	43	42533	20.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38195	20.678	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	34671m	21.376	ug/l	
77) Bromobenzene	11.195	156	30381	20.185	ug/l	100
78) n-propylbenzene	11.305	91	142880	20.420	ug/l	100
79) 2-Chlorotoluene	11.366	91	85414	20.098	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	105838	20.586	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9810	19.660	ug/l	93
82) 4-Chlorotoluene	11.451	91	99181	19.915	ug/l	99
83) tert-Butylbenzene	11.713	119	102804	20.088	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	106064	20.690	ug/l	99
85) sec-Butylbenzene	11.890	105	127706	20.858	ug/l	99
86) p-Isopropyltoluene	12.006	119	107761	20.774	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	55955	19.821	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	58180	20.123	ug/l	99
89) n-Butylbenzene	12.335	91	90613	20.277	ug/l	99
90) Hexachloroethane	12.536	117	17832	20.924	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	56384	20.532	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8017	21.754	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	34314	20.270	ug/l	99
94) Hexachlorobutadiene	13.725	225	14840	19.871	ug/l	96
95) Naphthalene	13.774	128	112536	20.549	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	33932	19.988	ug/l	99

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

