

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020627.D
 Acq On : 18 Dec 2024 11:42
 Operator : SY/MD
 Sample : VY1218SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/19/2024
 Supervised By :Semsettin Yesilyurt 12/19/2024

Quant Time: Dec 18 14:21:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	153098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	244096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	214944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	120747	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	86732	51.726	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.460%
35) Dibromofluoromethane	7.634	113	86233	50.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.260%
50) Toluene-d8	10.103	98	310144	51.507	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.020%
62) 4-Bromofluorobenzene	12.402	95	113747	48.292	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.580%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	38435	20.099	ug/l	97
3) Chloromethane	2.074	50	26666	18.820	ug/l	98
4) Vinyl Chloride	2.208	62	25628	19.433	ug/l	95
5) Bromomethane	2.592	94	17707	20.888	ug/l	100
6) Chloroethane	2.739	64	16084	19.737	ug/l	100
7) Trichlorofluoromethane	3.062	101	54495	19.749	ug/l	97
8) Diethyl Ether	3.458	74	18841	19.469	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	38613	19.522	ug/l	100
10) Methyl Iodide	4.007	142	45735	20.769	ug/l	100
11) Tert butyl alcohol	4.860	59	18625	82.982	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	36924	19.240	ug/l	96
13) Acrolein	3.659	56	8392	105.846	ug/l	98
14) Allyl chloride	4.385	41	71890	21.378	ug/l	99
15) Acrylonitrile	5.068	53	47243	102.042	ug/l	100
16) Acetone	3.873	43	32300	92.921	ug/l	95
17) Carbon Disulfide	4.104	76	128006	20.491	ug/l	99
18) Methyl Acetate	4.397	43	24304	21.304	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	105197	21.238	ug/l	99
20) Methylene Chloride	4.622	84	43686	20.955	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	43916	20.400	ug/l	96
22) Diisopropyl ether	6.019	45	148554	21.763	ug/l	95
23) Vinyl Acetate	5.964	43	408423	105.645	ug/l	99
24) 1,1-Dichloroethane	5.921	63	85392	21.354	ug/l	98
25) 2-Butanone	6.896	43	60654	97.337	ug/l	100
26) 2,2-Dichloropropane	6.890	77	70010	18.520	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	51600	20.834	ug/l	99
28) Bromochloromethane	7.250	49	24611	18.246	ug/l	100
29) Tetrahydrofuran	7.262	42	40544	103.068	ug/l	99
30) Chloroform	7.421	83	88937	18.850	ug/l	98
31) Cyclohexane	7.701	56	76241	19.940	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	76355	20.784	ug/l	100
36) 1,1-Dichloropropene	7.835	75	62499	19.924	ug/l	99
37) Ethyl Acetate	6.988	43	28092	19.038	ug/l	99
38) Carbon Tetrachloride	7.817	117	69992	20.167	ug/l	95
39) Methylcyclohexane	9.110	83	79720	19.499	ug/l	98
40) Benzene	8.079	78	190548	20.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15591	19.986	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	50556	20.731	ug/l	100
43) Isopropyl Acetate	8.201	43	56566	20.249	ug/l #	88
44) Trichloroethene	8.866	130	46762	20.697	ug/l	94
45) 1,2-Dichloropropane	9.140	63	44913	20.900	ug/l	93
46) Dibromomethane	9.231	93	23137	20.372	ug/l	99
47) Bromodichloromethane	9.420	83	64097	20.894	ug/l	96
48) Methyl methacrylate	9.219	41	26036	19.605	ug/l	97
49) 1,4-Dioxane	9.231	88	4955	380.438	ug/l #	96
51) 4-Methyl-2-Pentanone	9.993	43	143998	97.658	ug/l	100
52) Toluene	10.170	92	116834	20.446	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	59267	20.733	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	69750	20.591	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31492	20.973	ug/l	99
56) Ethyl methacrylate	10.439	69	44249	20.313	ug/l	99
57) 1,3-Dichloropropane	10.719	76	55078	20.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	96709	105.511	ug/l	100
59) 2-Hexanone	10.762	43	93397	98.655	ug/l	100
60) Dibromochloromethane	10.908	129	41457	20.645	ug/l	97
61) 1,2-Dibromoethane	11.012	107	28993	20.758	ug/l	100
64) Tetrachloroethene	10.646	164	40481	20.022	ug/l	92
65) Chlorobenzene	11.438	112	122990	20.464	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	44028	21.424	ug/l	100
67) Ethyl Benzene	11.518	91	224839	20.278	ug/l	99
68) m/p-Xylenes	11.627	106	167194	40.556	ug/l	100
69) o-Xylene	11.957	106	79188	20.587	ug/l	99
70) Styrene	11.969	104	134103	20.867	ug/l	99
71) Bromoform	12.133	173	23868	20.657	ug/l #	100
73) Isopropylbenzene	12.255	105	212192	20.138	ug/l	100
74) N-ethyl acetate	12.066	43	49369	20.020	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35934	21.009	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	25214m	20.102	ug/l	
77) Bromobenzene	12.530	156	47727	20.794	ug/l	98
78) n-propylbenzene	12.597	91	256750	20.224	ug/l	100
79) 2-Chlorotoluene	12.676	91	145869	20.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	174821	20.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11485	19.219	ug/l	98
82) 4-Chlorotoluene	12.780	91	152691	20.606	ug/l	99
83) tert-Butylbenzene	12.999	119	159815	20.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	171781	20.483	ug/l	99
85) sec-Butylbenzene	13.176	105	227197	20.180	ug/l	100
86) p-Isopropyltoluene	13.292	119	188392	20.296	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	91586	20.214	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	91045	20.289	ug/l	98
89) n-Butylbenzene	13.621	91	174537	19.840	ug/l	99
90) Hexachloroethane	13.883	117	37017	20.123	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	81563	20.777	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5446	19.612	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	47095	19.833	ug/l	99
94) Hexachlorobutadiene	15.023	225	30799	19.841	ug/l	99
95) Naphthalene	15.145	128	81118	19.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	40302	20.088	ug/l	99

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

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