

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040924\
 Data File : VY017885.D
 Acq On : 09 Apr 2024 11:26
 Operator : SY/MD
 Sample : VY0409SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0409SBS01

Quant Time: Apr 10 04:23:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/10/2024
 Supervised By :Semsettin Yesilyurt 04/10/2024

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	156511	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	244748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	212406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77081	56.914	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.820%			
35) Dibromofluoromethane	7.710	113	82232	58.145	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.280%			
50) Toluene-d8	10.179	98	307560	58.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.440%			
62) 4-Bromofluorobenzene	12.483	95	91715	57.061	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23168	22.135	ug/l	97
3) Chloromethane	2.107	50	40080	19.619	ug/l	97
4) Vinyl Chloride	2.247	62	66593	24.943	ug/l	100
5) Bromomethane	2.637	94	62698	29.045	ug/l	99
6) Chloroethane	2.784	64	49681	28.521	ug/l	100
7) Trichlorofluoromethane	3.113	101	58131	22.327	ug/l	98
8) Diethyl Ether	3.521	74	14407	18.838	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	32370	20.732	ug/l	98
10) Methyl Iodide	4.082	142	29147	17.166	ug/l	99
11) Tert butyl alcohol	4.942	59	10877	91.898	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	26544	18.167	ug/l	100
13) Acrolein	3.722	56	9037	95.241	ug/l	99
14) Allyl chloride	4.472	41	30600	17.071	ug/l	88
15) Acrylonitrile	5.155	53	30176	93.474	ug/l	99
16) Acetone	3.936	43	25752	91.987	ug/l	97
17) Carbon Disulfide	4.186	76	50833	12.294	ug/l	97
18) Methyl Acetate	4.466	43	11948	19.268	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	69597	20.804	ug/l	94
20) Methylene Chloride	4.704	84	35952	19.328	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	29382	18.792	ug/l	97
22) Diisopropyl ether	6.106	45	80475	19.424	ug/l	91
23) Vinyl Acetate	6.051	43	234618	92.751	ug/l	99
24) 1,1-Dichloroethane	6.009	63	56017	20.371	ug/l	98
25) 2-Butanone	6.978	43	36325	91.082	ug/l	94
26) 2,2-Dichloropropane	6.978	77	51142	21.533	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	37456	20.271	ug/l	97
28) Bromochloromethane	7.325	49	22506	20.126	ug/l	98
29) Tetrahydrofuran	7.344	42	21214	88.650	ug/l	94
30) Chloroform	7.496	83	61666	21.614	ug/l	98
31) Cyclohexane	7.783	56	38566	16.164	ug/l	88
32) 1,1,1-Trichloroethane	7.691	97	53276	21.939	ug/l	96
36) 1,1-Dichloropropene	7.911	75	39912	19.342	ug/l	99
37) Ethyl Acetate	7.069	43	16126	18.109	ug/l	97
38) Carbon Tetrachloride	7.899	117	45454	21.219	ug/l	98
39) Methylcyclohexane	9.179	83	44451	17.245	ug/l	95
40) Benzene	8.155	78	124501	19.578	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	12089m	26.059	ug/l	
42) 1,2-Dichloroethane	8.234	62	33061	21.122	ug/l	99
43) Isopropyl Acetate	8.270	43	31335	19.390	ug/l #	85
44) Trichloroethene	8.935	130	33479	20.235	ug/l	95
45) 1,2-Dichloropropane	9.215	63	29384	19.885	ug/l	98
46) Dibromomethane	9.301	93	17049	20.308	ug/l	99
47) Bromodichloromethane	9.496	83	46856	22.088	ug/l	98
48) Methyl methacrylate	9.289	41	12957	20.842	ug/l #	87
49) 1,4-Dioxane	9.295	88	3756	398.525	ug/l #	99
51) 4-Methyl-2-Pentanone	10.069	43	83514	112.664	ug/l	100
52) Toluene	10.240	92	79365	20.575	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	38594	20.490	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	47337	20.592	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	24091	21.535	ug/l	95
56) Ethyl methacrylate	10.508	69	27890	22.499	ug/l #	95
57) 1,3-Dichloropropane	10.788	76	39226	20.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	68112	106.103	ug/l	99
59) 2-Hexanone	10.831	43	57491	111.441	ug/l	99
60) Dibromochloromethane	10.983	129	30172	21.385	ug/l	98
61) 1,2-Dibromoethane	11.087	107	21162	20.746	ug/l	98
64) Tetrachloroethene	10.721	164	38593	20.832	ug/l	98
65) Chlorobenzene	11.514	112	90164	20.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	31252	21.124	ug/l	99
67) Ethyl Benzene	11.593	91	152992	20.425	ug/l	100
68) m/p-Xylenes	11.703	106	118297	41.645	ug/l	99
69) o-Xylene	12.032	106	55963	25.403	ug/l	99
70) Styrene	12.044	104	94763	25.171	ug/l	99
71) Bromoform	12.209	173	16534	20.162	ug/l #	100
73) Isopropylbenzene	12.331	105	150598	21.502	ug/l	99
74) N-amyl acetate	12.142	43	27189	22.692	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	24920	20.568	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18749m	20.586	ug/l	
77) Bromobenzene	12.611	156	34752	20.833	ug/l	97
78) n-propylbenzene	12.672	91	184736	21.616	ug/l	98
79) 2-Chlorotoluene	12.757	91	99804	21.320	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	118457	21.671	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	7796	21.855	ug/l	90
82) 4-Chlorotoluene	12.855	91	100704	20.775	ug/l	96
83) tert-Butylbenzene	13.074	119	108672	21.867	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	118378	21.745	ug/l	100
85) sec-Butylbenzene	13.251	105	168961	22.652	ug/l	99
86) p-Isopropyltoluene	13.367	119	136457	21.887	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	70326	21.246	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	68199	21.526	ug/l	100
89) n-Butylbenzene	13.696	91	133163	23.215	ug/l	98
90) Hexachloroethane	13.965	117	27704	22.346	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	59080	21.533	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3358	20.510	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	35353	23.525	ug/l	99
94) Hexachlorobutadiene	15.117	225	21271	23.349	ug/l	96
95) Naphthalene	15.239	128	59858	27.137	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	29778	23.458	ug/l	99

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

