

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080723\
 Data File : VY014964.D
 Acq On : 07 Aug 2023 15:22
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/08/2023
 Supervised By :Semsettin Yesilyurt 08/08/2023

Quant Time: Aug 08 07:48:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	322202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	523179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	465838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	228392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	19696	5.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.080%#		
35) Dibromofluoromethane	7.710	113	16180	4.836	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.680%#		
50) Toluene-d8	10.173	98	65533	5.146	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.300%#		
62) 4-Bromofluorobenzene	12.477	95	22642	5.017	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.040%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	11748	3.810	ug/l	82
3) Chloromethane	2.107	50	14789	5.832	ug/l	98
4) Vinyl Chloride	2.241	62	18098	5.792	ug/l	95
5) Bromomethane	2.638	94	13974	2.977	ug/l	99
6) Chloroethane	2.784	64	11822	5.480	ug/l #	88
7) Trichlorofluoromethane	3.113	101	27021	5.473	ug/l	95
8) Diethyl Ether	3.522	74	9676	5.311	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	15290	5.231	ug/l	98
10) Methyl Iodide	4.076	142	14274	4.723	ug/l	97
11) Tert butyl alcohol	4.924	59	35667	37.844	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	13460	5.285	ug/l	87
13) Acrolein	3.717	56	7975	24.874	ug/l	98
14) Allyl chloride	4.460	41	22122	5.216	ug/l	97
15) Acrylonitrile	5.149	53	28254	25.383	ug/l	99
16) Acetone	3.942	43	32640	26.803	ug/l	94
17) Carbon Disulfide	4.180	76	30895	5.487	ug/l	99
18) Methyl Acetate	4.460	43	22575	5.091	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	48924	5.078	ug/l	97
20) Methylene Chloride	4.698	84	80784	4.227	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	15274	5.262	ug/l	91
22) Diisopropyl ether	6.113	45	49534	5.014	ug/l	97
23) Vinyl Acetate	6.052	43	144992	24.417	ug/l	95
24) 1,1-Dichloroethane	6.015	63	29376	5.243	ug/l	99
25) 2-Butanone	6.978	43	46914	26.897	ug/l	98
26) 2,2-Dichloropropane	6.966	77	34321	6.053	ug/l	92
27) cis-1,2-Dichloroethene	6.978	96	19269	5.245	ug/l	94
28) Bromochloromethane	7.326	49	13855	5.485	ug/l	99
29) Tetrahydrofuran	7.338	42	26426	25.836	ug/l	90
30) Chloroform	7.496	83	31397	5.158	ug/l	95
31) Cyclohexane	7.777	56	29325	4.030	ug/l #	70
32) 1,1,1-Trichloroethane	7.698	97	27768	5.177	ug/l	99
36) 1,1-Dichloropropene	7.905	75	21597	5.200	ug/l	97
37) Ethyl Acetate	7.064	43	17318	5.253	ug/l #	91
38) Carbon Tetrachloride	7.893	117	23924	5.123	ug/l	94
39) Methylcyclohexane	9.179	83	26683	5.402	ug/l	93
40) Benzene	8.155	78	65627	5.366	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8663	5.407	ug/l #	69
42) 1,2-Dichloroethane	8.228	62	22280	5.233	ug/l	95
43) Isopropyl Acetate	8.271	43	31471	5.138	ug/l	97
44) Trichloroethene	8.935	130	18751	5.343	ug/l	90
45) 1,2-Dichloropropane	9.210	63	17221	5.298	ug/l	100
46) Dibromomethane	9.301	93	10882	5.197	ug/l	97
47) Bromodichloromethane	9.490	83	23844	4.945	ug/l	98
48) Methyl methacrylate	9.289	41	13304	4.950	ug/l	95
49) 1,4-Dioxane	9.295	88	4128	105.984	ug/l #	60
51) 4-Methyl-2-Pentanone	10.063	43	85568	24.788	ug/l	94
52) Toluene	10.240	92	41885	5.322	ug/l	92
53) t-1,3-Dichloropropene	10.465	75	24161	4.811	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	27287	5.029	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	15818	5.197	ug/l	95
56) Ethyl methacrylate	10.508	69	20647	4.738	ug/l	93
57) 1,3-Dichloropropane	10.789	76	25932	5.150	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	47848	23.221	ug/l	93
59) 2-Hexanone	10.825	43	61877	24.265	ug/l	91
60) Dibromochloromethane	10.984	129	17911	4.943	ug/l	98
61) 1,2-Dibromoethane	11.087	107	14780	5.088	ug/l	98
64) Tetrachloroethene	10.715	164	18195	5.192	ug/l	89
65) Chlorobenzene	11.514	112	47161	5.335	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	17224	4.973	ug/l	97
67) Ethyl Benzene	11.587	91	80700	5.202	ug/l	97
68) m/p-Xylenes	11.697	106	61671	10.392	ug/l	94
69) o-Xylene	12.026	106	29871	5.144	ug/l	98
70) Styrene	12.038	104	49385	4.976	ug/l	98
71) Bromoform	12.203	173	11425	4.785	ug/l #	100
73) Isopropylbenzene	12.325	105	80759	5.260	ug/l	100
74) N-amyl acetate	12.142	43	24913	4.749	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	19178	5.112	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	16571m	6.055	ug/l	
77) Bromobenzene	12.605	156	19707	5.292	ug/l	98
78) n-propylbenzene	12.666	91	96417	5.251	ug/l	100
79) 2-Chlorotoluene	12.752	91	55233	5.278	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	64944	5.133	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	5635	4.536	ug/l	95
82) 4-Chlorotoluene	12.855	91	56861	5.256	ug/l	100
83) tert-Butylbenzene	13.075	119	59986	5.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	65389	5.159	ug/l	99
85) sec-Butylbenzene	13.251	105	89301	5.257	ug/l	100
86) p-Isopropyltoluene	13.367	119	71376	5.076	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	38670	5.305	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	38395	5.282	ug/l	93
89) n-Butylbenzene	13.690	91	67772	5.130	ug/l	97
90) Hexachloroethane	13.953	117	14308	5.240	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	34864	5.182	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4090	5.583	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	22115	5.137	ug/l	96
94) Hexachlorobutadiene	15.111	225	12369	5.299	ug/l	97
95) Naphthalene	15.233	128	48520	4.790	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	19732	5.064	ug/l	98

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

