

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013237.D
 Acq On : 10 Apr 2023 19:41
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICV050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 11 17:07:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 11:59:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	93678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	147348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	135071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52389	49.731	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.460%		
35) Dibromofluoromethane	7.710	113	43298	49.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.320%		
50) Toluene-d8	10.179	98	157586	51.103	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.200%		
62) 4-Bromofluorobenzene	12.477	95	56085	50.932	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29015	44.337	ug/l	96
3) Chloromethane	2.107	50	39945	56.955	ug/l	97
4) Vinyl Chloride	2.247	62	40048	49.907	ug/l	99
5) Bromomethane	2.650	94	30154	56.633	ug/l	94
6) Chloroethane	2.790	64	29211	49.780	ug/l	99
7) Trichlorofluoromethane	3.119	101	62162	47.846	ug/l	98
8) Diethyl Ether	3.528	74	23853	48.375	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	36806	46.458	ug/l	96
10) Methyl Iodide	4.088	142	42657	44.675	ug/l	93
11) Tert butyl alcohol	4.972	59	32398	177.554	ug/l	98
12) 1,1-Dichloroethene	3.869	96	31887	46.201	ug/l	94
13) Acrolein	3.729	56	21377	206.545	ug/l	100
14) Allyl chloride	4.479	41	68087	46.427	ug/l	92
15) Acrylonitrile	5.161	53	81448	240.275	ug/l	99
16) Acetone	3.954	43	98094	228.822	ug/l	94
17) Carbon Disulfide	4.192	76	71782	47.951	ug/l	100
18) Methyl Acetate	4.479	43	58246	45.762	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	135702	51.622	ug/l	99
20) Methylene Chloride	4.716	84	59594	60.949	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	39555	48.855	ug/l	98
22) Diisopropyl ether	6.119	45	169328	52.137	ug/l	97
23) Vinyl Acetate	6.058	43	530853	260.365	ug/l	98
24) 1,1-Dichloroethane	6.015	63	80170	47.820	ug/l	98
25) 2-Butanone	6.984	43	130622	47.151	ug/l	96
26) 2,2-Dichloropropane	6.978	77	73257	46.279	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	47687	48.817	ug/l	94
28) Bromochloromethane	7.332	49	41779	52.786	ug/l	96
29) Tetrahydrofuran	7.344	42	79198	245.122	ug/l	98
30) Chloroform	7.502	83	85481	48.865	ug/l	99
31) Cyclohexane	7.783	56	59485	44.415	ug/l	96
32) 1,1,1-Trichloroethane	7.698	97	74484	48.594	ug/l	97
36) 1,1-Dichloropropene	7.917	75	56671	46.784	ug/l	99
37) Ethyl Acetate	7.076	43	55583	49.571	ug/l	96
38) Carbon Tetrachloride	7.899	117	67509	47.865	ug/l	96
39) Methylcyclohexane	9.179	83	62083	48.771	ug/l	97
40) Benzene	8.155	78	173174	48.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27887m	49.482	ug/l	
42) 1,2-Dichloroethane	8.234	62	64332	49.075	ug/l	98
43) Isopropyl Acetate	8.271	43	96487	49.260	ug/l	96
44) Trichloroethene	8.941	130	44385	47.657	ug/l	97
45) 1,2-Dichloropropane	9.216	63	47844	49.235	ug/l	98
46) Dibromomethane	9.307	93	28529	48.234	ug/l	99
47) Bromodichloromethane	9.496	83	69497	48.661	ug/l	99
48) Methyl methacrylate	9.289	41	42621	49.553	ug/l	93
49) 1,4-Dioxane	9.301	88	8164	970.366	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	283649	255.368	ug/l	98
52) Toluene	10.240	92	112408	50.237	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	75545	50.481	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	77941	48.565	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	40798	48.771	ug/l	98
56) Ethyl methacrylate	10.508	69	61862	52.928	ug/l	92
57) 1,3-Dichloropropane	10.788	76	69829	49.492	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	133803	252.406	ug/l	99
59) 2-Hexanone	10.831	43	210384	256.836	ug/l	97
60) Dibromochloromethane	10.984	129	52793	50.717	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39899	49.967	ug/l	99
64) Tetrachloroethene	10.715	164	40174	48.173	ug/l	97
65) Chlorobenzene	11.514	112	126825	49.269	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	51284	50.093	ug/l	99
67) Ethyl Benzene	11.593	91	224041	50.143	ug/l	100
68) m/p-Xylenes	11.703	106	173976	102.331	ug/l	100
69) o-Xylene	12.026	106	82989	51.355	ug/l	99
70) Styrene	12.044	104	146188	53.047	ug/l	99
71) Bromoform	12.203	173	37185	50.614	ug/l #	98
73) Isopropylbenzene	12.331	105	224131	49.715	ug/l	100
74) N-amyl acetate	12.142	43	89841	52.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	57703	47.881	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	42768m	48.923	ug/l	
77) Bromobenzene	12.605	156	56058	48.870	ug/l	98
78) n-propylbenzene	12.672	91	277770	50.053	ug/l	99
79) 2-Chlorotoluene	12.758	91	154596	48.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	190967	51.214	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20963	49.452	ug/l	93
82) 4-Chlorotoluene	12.855	91	164522	49.860	ug/l	99
83) tert-Butylbenzene	13.075	119	168633	50.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	187862	50.672	ug/l	98
85) sec-Butylbenzene	13.251	105	248137	50.650	ug/l	100
86) p-Isopropyltoluene	13.367	119	208514	50.776	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	109333	48.674	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	110731	48.343	ug/l	99
89) n-Butylbenzene	13.696	91	194465	50.521	ug/l	100
90) Hexachloroethane	13.959	117	41531	47.702	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	102590	49.570	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10553	45.952	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	63268	49.544	ug/l	99
94) Hexachlorobutadiene	15.111	225	35095	46.542	ug/l	99
95) Naphthalene	15.233	128	147359	51.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58395	48.989	ug/l	99

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

