

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013236.D
 Acq On : 10 Apr 2023 19:18
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY041123

Manual Integrations
 APPROVED

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

Quant Time: Apr 12 15:18:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 15:18:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	91754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	144144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	132848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	50541	48.983	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.710	113	42418	49.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.460%		
50) Toluene-d8	10.179	98	155464	51.535	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.080%		
62) 4-Bromofluorobenzene	12.477	95	55262	51.300	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28267	44.100	ug/l	95
3) Chloromethane	2.107	50	36081	52.040	ug/l	98
4) Vinyl Chloride	2.253	62	36984	47.056	ug/l	98
5) Bromomethane	2.650	94	28779	55.062	ug/l	90
6) Chloroethane	2.790	64	27961	48.649	ug/l	100
7) Trichlorofluoromethane	3.125	101	60501	47.544	ug/l	97
8) Diethyl Ether	3.528	74	23425	48.503	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.900	101	36360	46.857	ug/l	97
10) Methyl Iodide	4.089	142	41920	44.823	ug/l	94
11) Tert butyl alcohol	4.960	59	31127	174.165	ug/l	98
12) 1,1-Dichloroethene	3.869	96	31568	46.697	ug/l	97
13) Acrolein	3.729	56	20860	205.776	ug/l	98
14) Allyl chloride	4.479	41	67621	47.076	ug/l	92
15) Acrylonitrile	5.162	53	78568	236.639	ug/l	98
16) Acetone	3.948	43	96537	229.912	ug/l	94
17) Carbon Disulfide	4.192	76	71160	48.578	ug/l	99
18) Methyl Acetate	4.473	43	58136	46.633	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	129676	50.364	ug/l	98
20) Methylene Chloride	4.710	84	56365	58.477	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	38124	48.075	ug/l	95
22) Diisopropyl ether	6.113	45	166997	52.497	ug/l	95
23) Vinyl Acetate	6.058	43	519581	260.181	ug/l	97
24) 1,1-Dichloroethane	6.015	63	78918	48.061	ug/l	99
25) 2-Butanone	6.984	43	128188	236.215	ug/l	97
26) 2,2-Dichloropropane	6.978	77	73419	47.354	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	47896	50.059	ug/l	96
28) Bromochloromethane	7.332	49	40443	52.169	ug/l	92
29) Tetrahydrofuran	7.344	42	76721	242.435	ug/l	97
30) Chloroform	7.503	83	84479	49.304	ug/l	99
31) Cyclohexane	7.783	56	57493	43.828	ug/l	98
32) 1,1,1-Trichloroethane	7.698	97	73413	48.900	ug/l	98
36) 1,1-Dichloropropene	7.911	75	56690	47.840	ug/l	99
37) Ethyl Acetate	7.070	43	51452	46.907	ug/l	99
38) Carbon Tetrachloride	7.899	117	65813	47.700	ug/l	96
39) Methylcyclohexane	9.179	83	61047	49.023	ug/l	96
40) Benzene	8.155	78	170086	48.724	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	28202m	51.154	ug/l	
42) 1,2-Dichloroethane	8.234	62	63398	49.437	ug/l	97
43) Isopropyl Acetate	8.271	43	93933	49.022	ug/l	96
44) Trichloroethene	8.935	130	43614	47.870	ug/l	90
45) 1,2-Dichloropropane	9.216	63	46702	49.128	ug/l	97
46) Dibromomethane	9.307	93	27992	48.378	ug/l	99
47) Bromodichloromethane	9.496	83	69288	49.593	ug/l	98
48) Methyl methacrylate	9.289	41	41966	49.876	ug/l	91
49) 1,4-Dioxane	9.301	88	8323	1011.254	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	272387	250.679	ug/l	97
52) Toluene	10.240	92	110663	50.557	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	73907	50.484	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	76667	48.833	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	40699	49.735	ug/l	98
56) Ethyl methacrylate	10.508	69	59647	52.168	ug/l	91
57) 1,3-Dichloropropane	10.789	76	69377	50.264	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	131019	252.648	ug/l	100
59) 2-Hexanone	10.831	43	204442	255.129	ug/l	96
60) Dibromochloromethane	10.984	129	51497	50.572	ug/l	100
61) 1,2-Dibromoethane	11.087	107	38591	49.403	ug/l	99
64) Tetrachloroethene	10.715	164	38807	47.313	ug/l	94
65) Chlorobenzene	11.514	112	124759	49.278	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	50589	50.241	ug/l	99
67) Ethyl Benzene	11.593	91	223063	50.759	ug/l	99
68) m/p-Xylenes	11.703	106	170664	102.063	ug/l	99
69) o-Xylene	12.026	106	81846	51.495	ug/l	99
70) Styrene	12.044	104	143684	53.011	ug/l	99
71) Bromoform	12.203	173	36394	50.366	ug/l #	98
73) Isopropylbenzene	12.331	105	221441	50.050	ug/l	100
74) N-amyl acetate	12.142	43	86809	51.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	56165	47.489	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	41302m	48.142	ug/l	
77) Bromobenzene	12.605	156	55154	48.993	ug/l	99
78) n-propylbenzene	12.672	91	272882	50.105	ug/l	100
79) 2-Chlorotoluene	12.758	91	154579	49.846	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	185844	50.785	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	20235	48.640	ug/l	93
82) 4-Chlorotoluene	12.855	91	162623	50.219	ug/l	99
83) tert-Butylbenzene	13.075	119	168275	51.437	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	186008	51.124	ug/l	100
85) sec-Butylbenzene	13.252	105	244914	50.940	ug/l	100
86) p-Isopropyltoluene	13.367	119	206598	51.264	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	109027	49.458	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	109320	48.632	ug/l	98
89) n-Butylbenzene	13.697	91	191979	50.821	ug/l	100
90) Hexachloroethane	13.959	117	40431	47.320	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	99477	48.978	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9910	43.971	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	62585	49.939	ug/l	98
94) Hexachlorobutadiene	15.111	225	35132	47.475	ug/l	99
95) Naphthalene	15.233	128	141393	50.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58369	49.896	ug/l	100

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

