

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059636.D
 Acq On : 24 Jul 2018 17:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:13:37 PM

Quant Time: Jul 25 01:23:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	239363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	320582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	314061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	198982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	64729	17.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.08%	
35) Dibromofluoromethane	4.28	113	59317	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	
50) Toluene-d8	7.70	98	145498	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
62) 4-Bromofluorobenzene	11.50	95	76519	18.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58134	19.740	ug/l	98
3) Chloromethane	1.08	50	32445	23.334	ug/l	93
4) Vinyl Chloride	1.15	62	33473	21.898	ug/l	99
5) Bromomethane	1.33	94	28863	22.139	ug/l	95
6) Chloroethane	1.41	64	20846	22.334	ug/l	92
7) Trichlorofluoromethane	1.48	101	93510m	22.625	ug/l	
8) Diethyl Ether	1.69	74	11173	19.110	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	46709	21.997	ug/l	92
10) Methyl Iodide	1.92	142	72969	20.866	ug/l	98
11) Tert butyl alcohol	2.68	59	12725	85.911	ug/l	96
12) 1,1-Dichloroethene	1.83	96	34028	20.522	ug/l	91
13) Acrolein	2.08	56	4366m	60.045	ug/l	
14) Allyl chloride	2.18	41	60051	20.015	ug/l	99
15) Acrylonitrile	3.05	53	21243	92.866	ug/l	87
16) Acetone	2.32	43	48860	78.788	ug/l	99
17) Carbon Disulfide	1.83	76	96542m	22.399	ug/l	
18) Methyl Acetate	2.44	43	16954	16.114	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	89687	18.679	ug/l	98
20) Methylene Chloride	2.26	84	34505	18.393	ug/l	97
21) trans-1,2-Dichloroethene	2.39	96	36064	20.962	ug/l	92
22) Diisopropyl ether	2.92	45	112882	20.577	ug/l	98
23) Vinyl Acetate	3.32	43	276171	101.020	ug/l	97
24) 1,1-Dichloroethane	2.98	63	80533	20.380	ug/l	98
25) 2-Butanone	4.49	43	63507	98.096	ug/l #	82
26) 2,2-Dichloropropane	3.74	77	66486	20.210	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	43134	21.848	ug/l	97
28) Bromochloromethane	3.86	49	28568	19.672	ug/l #	99
29) Tetrahydrofuran	4.25	42	26219	99.404	ug/l	90
30) Chloroform	4.02	83	115368	21.150	ug/l	95
31) Cyclohexane	3.84	56	47433	21.413	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	99226	20.336	ug/l	94
36) 1,1-Dichloropropene	4.43	75	73515	22.804	ug/l	94
37) Ethyl Acetate	4.28	43	27117	21.375	ug/l #	62
38) Carbon Tetrachloride	4.15	117	100223	20.538	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	59327	22.815	ug/l	87
40) Benzene	4.79	78	131999	22.397	ug/l	96
41) Methacrylonitrile	4.91	41	12627	20.151	ug/l	93
42) 1,2-Dichloroethane	5.10	62	79399	20.363	ug/l	100
43) Isopropyl Acetate	7.09	43	29311	18.554	ug/l #	93
44) Trichloroethene	5.67	130	49561	22.039	ug/l	99
45) 1,2-Dichloropropane	6.38	63	34771	22.064	ug/l #	83
46) Dibromomethane	6.24	93	29495	23.024	ug/l	93
47) Bromodichloromethane	6.53	83	84806	21.618	ug/l	91
48) Methyl methacrylate	6.86	41	23414	19.466	ug/l	95
49) 1,4-Dioxane	6.86	88	3388	400.691	ug/l #	60
51) 4-Methyl-2-Pentanone	8.39	43	113988	96.450	ug/l	99
52) Toluene	7.76	92	97060	21.775	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	67888	20.676	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	71132	21.747	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	28309	19.145	ug/l	97
56) Ethyl methacrylate	8.75	69	30225	18.439	ug/l	99
57) 1,3-Dichloropropane	8.99	76	49985	19.345	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	20567	105.708	ug/l	100
59) 2-Hexanone	9.62	43	89192	94.994	ug/l	97
60) Dibromochloromethane	8.85	129	53802	20.263	ug/l	94
61) 1,2-Dibromoethane	9.13	107	35958	21.129	ug/l	94
64) Tetrachloroethene	8.29	164	53882	22.914	ug/l	95
65) Chlorobenzene	9.92	112	119307	20.836	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	55852	21.409	ug/l	92
67) Ethyl Benzene	10.02	91	231806	22.353	ug/l	97
68) m/p-Xylenes	10.26	106	159229	44.257	ug/l	97
69) o-Xylene	10.82	106	82902	21.367	ug/l	82
70) Styrene	10.89	104	122173	21.138	ug/l	95
71) Bromoform	10.88	173	32186	20.098	ug/l	98
73) Isopropylbenzene	11.21	105	280844	22.263	ug/l	97
74) N-amyl acetate	11.45	43	54196	19.559	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	41937	20.111	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	34045	18.641	ug/l	91
77) Bromobenzene	11.59	156	66376	20.629	ug/l	92
78) n-propylbenzene	11.68	91	336670	22.372	ug/l	99
79) 2-Chlorotoluene	11.81	91	203386	22.476	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	248852	21.981	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	20428	27.020	ug/l	95
82) 4-Chlorotoluene	11.98	91	209639	20.904	ug/l	97
83) tert-Butylbenzene	12.21	119	249484	22.313	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	260705	22.736	ug/l	99
85) sec-Butylbenzene	12.38	105	338986	23.352	ug/l	97
86) p-Isopropyltoluene	12.53	119	293992	23.136	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	135180	21.632	ug/l	94
88) 1,4-Dichlorobenzene	12.63	146	129346	22.203	ug/l	95
89) n-Butylbenzene	12.91	91	296157	24.260	ug/l	98
90) Hexachloroethane	12.99	117	71506	22.541	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	123919	21.077	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10117	19.942	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	106083	24.146	ug/l	96
94) Hexachlorobutadiene	14.25	225	75665	24.674	ug/l	94
95) Naphthalene	14.52	128	157279	22.208	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	88952	22.331	ug/l	99

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

